N. Inv. 615.

Rękopis i jego oprawę wyrestaurował introligator Jan Wyżga
w r. 1934. Sklejono pęknięte deski, dano grzbiet nowy (bo
stary już nie istniał) i nowe karty ochronne. Dawne wszywki,
będące fragmentami jednego i tego samego dokumentu pergaminowego,
wlepiono na falcu na początku rękopisu.

A. B.

divina [illegible]
et [illegible]
et prebend[illegible] dicte [illegible]
[illegible] Archidiaconi [illegible]
et [illegible] Monasterior[um] ord[inis] [illegible]
[illegible] predicator[um] Mino[rum] [illegible]
[illegible] Collegiatar[um] [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] Canonicatu[m] et prebend[am] [illegible]
[illegible] **Nicolaus de** [illegible]
Sanctissimi [illegible]
appellationem [illegible]
[illegible]
[illegible]

[illegible]

Monemus [illegible]

Inhibentes [illegible]

Ad sciendum quanta sit latitudo cuiuslibet civitatis seu elevatio poli in illa
civitate quolibet die anni accipiatur astrolabium aut aliquod simile instru-
mentum elevationis solis supra orizontem cum dorso astrolabii scilicet in meridie di-
ei sexto gradu et minuto solis in quo est sol per meridiem quod sciatur per
almanach. Quando inveneris elevationem orizontis gradibus et minutis sol
que si fuit septentrionalis subtrahatur declinatio solis [illegible] astrolabium. Si
vero meridionalis addatur illi elevationi et quod provenerit 90 abicias
et remanserit 90 subtractis subtrahatur de 90 gradibus et residuum manebit
latitudinem civitatis et elevationem poli in illa civitate

Liber pauli de [illegible] [illegible]
[illegible] [illegible]

Tabule motuū Planetarū

Prima

Tempus oppositionis vel coniunctionis medie luminarium locum solis et argumenta lune et latitudinis eius media sic deprehende. Noto tempore annorum xpi et mensium quod inter completum usque ad initium mensis usualis in quo coniunctio vel oppositio sita est quam queris cum annis cristi completis intra tabulas mediarum coniunctionum et oppositionum et si numerum annorum precise non inveneris in annis collectis intra per minimo que in directo inveneris omnia distincte extra scribe Deinde cum residuo numero annorum ultra collectos intra in annis expansis et similiter in directo eius reperta prius subscriptis extra scribe unumquodque sub suo genere Et si ultra annorum numerum habueris menses completos cum eis tabulam mensium ingredere communes quidem si annus quem ingredieris sit communis bisextiles autem si bisextilis et que ibi reperies sub prius extra notatis etiam unumquodque sub suo generi extra nota hec scilicet extra scripta coniunge more solito fractionum phisicarum et signorum graduum atque dierum et horarum ~~et minutorum compara in tabula revolucionum tempori alicui~~ deinde productum ex tempore dierum et horarum et minutorum compara in tabula revolucionum tempori alicui in directo tituli oppositionis si queris oppositionem cum lineam eiusdem tabulam in qua ponitur tempus proximo minus producto tuo temporis quod ex additione proveniat extra scribere oportet supra lineam productorum tuorum Qua sic superscripta ea que loci solis argumentorum lune et latitudinis eius sunt unumquodque suo generi supposito quo facta subtractione remanebit erit tempus medie coniunctionis vel oppositionis quesite ad meridianum waradiensem numerando quidem ab initio illius mensis usualis in quo coniunctio vel oppositio sita est quam quesivisti. Producta autem ex motibus locum solis medium argumentum lune medium item argumentum latitudinis medium ad eandem coniunctionem vel oppositionem mediam indicant Quod si ad alium meridianum tempus productum velles habere Considera distanciam alterius meridiani a meridiano waradiensi et pro quolibet gradu versus orientem aufer et cetera iiii^ta a tempore et factum est

Secunda

Augem solis invenire. Cum annis xpi completis et tempus tuum intrabis tabulam augis solis vel cum proximo minori et in eius directo ~~inveni~~ invenies augem solis et tempus cum quo intrasti complectum iuxta quoque invenies motum augis in uno anno quod si super sunt adhuc anni cum quibus non intrasti pro quolibet anno adde augi ibi inventum motum augis in anno semel videbis etiam per motum in anno divisum in 12 equalia quantum moveatur in uno mense usuali item dividendo motum in mense per tria habebis motum augis in quolibet 10 diebus unde faciliter tibi patet potest aux solis et quamcumque coniunctionem vel oppositionem luminarium nam si ultra annos habueris menses et dies adde pro quolibet mense motum augis in mense semel et pro quibus

libz 10 diebus motu augis in 10 diebus Tercia

Tempus vere coniunctionis vel oppositionis luminarium sic
aliter cognoscitur Ex premissis primum habeas tempus medie
coniunctionis aut oppositionis talis locum solis et argumentum lune
medium et augem solis ad idem tempus Aufer ergo augem solis a
loco solis medio et remanens vocabitur argumentum solis Considera
itaque argumentum lune an fuerit ex signis [illegible] an plus si minus quere
signa et gradus argumenti solis in tabulis distancie vere coniunctionis et
oppositionis a media in parte superiori tabularum Signa autem et
gradus argumenti lune in parte sinistra Si autem fuerat plus quere eadem
signa argumenti solis in parte inferiori tabularum Signa vero et gra
dus argumenti lune in parte dextra Et si utrumque argumentorum tam
solis quam lune precise inveneris in angulo communi eorum reperies horas
et minuta distancie vere coniunctionis aut oppositionis a media addendum quidem
ad mediam coniunctionem aut oppositionem si ab angulo communi versus ar
gumentum solis quo intrasti eundo primo occurrat a minuendam aut si
primo occurrat [illegible] Si autem neutrum argumentorum precise inveneris
intrabis cum proxime minoribus in tabulam et angulum communem ex
nota cum signo suo principali a vel [illegible] quod proximo occurrit versus
argumentum solis ut dictum est et [illegible] anguli communis ad duos angulos ex
inde sequentes [illegible] argumenta solis et lune proxime maiora in tabula
descripta considerabis differencias quarum una est solis scilicet illa que est inter an
gulum communem et angulum lateralem correspondentem argumento solis proxime
maiori in tabula Altera erit lune scilicet que est inter communem an
gulum superiorem et inferiorem scilicet correspondentem argumento lu
ne proxime maiori in tabula De differencia solis sume partem proporcio
nabilem secundum proporcionem superfluum in argumento solis ultra illud
cum quo intrasti ad gradus eius partem adde ad angulum quem denotatum
tum si dexter aut sinister angulus scilicet argumenti solis proxime
maioris in tabula maior fuerit angulo communi exnotato a minue
si fuerit minor Similiter de differencia lune sume partem proporcionabilem secun
dum proporcionem minutorum in argumento lune ultra gradus ad 60
minuta eamque partem adde ad angulum communem extra notatum si superior
vel inferior angulus scilicet argumenti lune proxime maioris in ta
bula maior fuerit angulo communi extra notato aut minue si minor et quod
superveniet erit distancia vere coniunctionis aut oppositionis a me
dia addenda vel minuenda secundum signum suum principale Illud tamen
notandum est quod si accedit signum a vel m esse iuxta angulum commun
tunc ad habendam differenciam solis oportet considerare si signum a vel m angu
li communis scilicet quod proximo occurrit eundo versus argumentum so
lis ab angulo communi fuerit idem cum signo anguli lateralis et correspondet
argumento solis maiori tunc differencia habebitur si subtrahitur angulus
communis ab angulo laterali aut econverso et de parte proporcionali fiat ut
prius dictum est addendo eam vel minuendo Sed si fuerit alte
rius maneriei ut si signum anguli communis fuerit a et anguli lateralis

fuerit maior tunc pro differentia habenda oportet angulum quem iungere cum
angulo laterali et tunc pars proportionalis talis differentie semper
est minuenda ab angulo qui est in notato. Similiter differentiam
lune oportet considerare si inter angulum coniunctum et proximum sup(er)
vel infra scilicet angulum correspondentem angulis lune maiori vel m(inori)
signum autem in radice tunc differentia habebitur subtrahendo unum an-
gulum ab alio minorem a maiore et de parte proportionali fiat ut su-
perius dictum est subtrahendo vel addendo eam vel minuendo. Si autem
mediat et inter eos signum alium tunc pro differentia habenda oportet
ambos angulos coniungere et tunc pars proportionalis talis differentie sem-
per est minuenda ab angulo qui est extra notato et quando acciderit quod
utraque pars proportionalis est minuenda tunc prius sibi invicem adda-
tur et deinde coniunctim minuantur. Item si ambe addende tunc sibi si-
mul iungantur et coniunctim addantur et si una addenda fuerit altera
minuenda demantur breviter a maiore et de residuo secundum titulum maioris
fiat. Et si aliqua partium proportionabilium sive aggregatum ex eis
seu residuum unius earum minuendum esset ab angulo qui et non posset
quia angulus eorum minor esset tunc fiat econtra angulus auferatur ab
eo quod minuendum et residuum residuum notetur signum alterius mane-
re quam angulus communis habuit et tenebitur pro distantiam vere con-
iunctionis aut oppositionis a media multa vera sed opus breve est. Habi-
ta itaque distantia vere coniunctionis aut oppositionis a media si habetur notam
adiunge eam cum tempore medie coniunctionis aut oppositionis vel minue
minue eam ab eodem si habet m(inus) et provenit tempus vere coniunctionis aut
oppositionis die quesitum diebus non certis. Vocatur autem illud tempus
sic inventum vere coniunctionis primo examinatum quod stat esse precisum
omnino stat etiam esse prope precisum in quantum tamen a precisio differ-
re potest differentia sensibili verum si certior in hac re fieri voles ad tempus
sic inventum equa solem et lunam ut docebo et si inveneris nos eos
motos aut verum solis et medie lune tempore oppositionis in signis
gradibus minutis et 2is concordare omnino precisum fuit tempus primo exa-
minatum. Sed si differentia sit si prius bene operatus es ea ultra tria minuta
esse non potest differentiam igitur minutorum et 2orum illam duplica et fient minu-
ta et 2a temporis hec itaque minuta et 2a temporis si sol lunam in coniunctione
aut solis nadir lune in oppositione antecedat adde tempore primo exa(mina)to
vel minue minue ab eo si sequatur hoc est adde si verus locus solis ma-
ior fuerit vero loco lune aut loco nadir lune si minue si minor et ha-
bebis tempus vere coniunctionis aut oppositionis 2o examinatum
quod si tantum sit modo velis examinare potes quod si non est necessarium
sed curare non poteris in uno minuto temporis. Sequitur capitulum 2m

Medios motus solis lune argumenti et capitis draconis
reperire notato tempore Christi quod dicitur completum usque ad
instans pro quo hec scire voles sume radicem talis motus seu Christi
seu ad annum domini 1200 completum ut in tabula mediorum motuum notu

ad minuenda

esset

tempus coniunctionis vere

fient

nam

ludes etiam exscribe deinde cum residuo tempore quod a radice tua sup
putatum sunt usque ad instans tuum usque ad tabulas eiusdem in annis et
mensibus diebus horis et minutis et ea que in tabula motus quam
queris in directe horum invenies radici ex notate subscribe unumquod
que suo generi Et intrando in tabula annorum prius intra cum minori pro
pinquiori intrabis tamdiu donec omnes annos evacues Item si anni
currentis unus fuerit intrabis in menses communes si bisextilis bisextiles Ta
bula autem horarum pro minutis temporis deficit sed tunc recipiendus
est titulus inferior postquam cum toto tempore residuo tabulas intras
ti et que ibi inventa sunt radici subscripti adde subscripta cum radice
unumquodque suo generi more fractionum phisicarum scilicet 60 ut sum
inventum ponendo pro 60 minutis unum gradum pro 30 gradibus unum
signum Et si 12 excrescant signa 12 abiciantur et quod ex tali addi
tione excrevit erit motus quesitus ad meridianum Viennensem Quod
si ad alium meridianum predicta voles habere muta solum radices
motuum nam hic posite sunt ad Viennam Considera namque distan
tiam alterius meridiani a meridiano Viennensi et pro quolibet gradu sume
4 minuta temporis et cum eo tempore intra tabulam talis motus et mo
tum sibi correspondentem pro meridiano orientali adde radici hic positi pro
occidentali deme et factum est

Quinta

Solem verificare. Da tempus tuum pro quo voles ha
5 bere verum locum solis habeas ex premissis augem solis et
medium locum solis deinde subtrahe augem a medio motu et rema
nebit argumentum solis ad idem tempus Cum eo argumento intra ta
bulam equationis solis querendo gradus et minuta argumenti in par
te sinistra et signa argumenti superius si signa argumenti fuerit
pauciora sex aut 6 et gradus argumenti in parte dextra et signa
in parte inferiori si fuerit plura sex Et si gradus et minuta argumenti
invenies solis precise inveneris tunc in angulo communi habebis equationem quesitam cum
notam a vel m invenies iuxta signa argumenti quibus tabulam
intrasti Quod si gradus et minuta solis argumenti precise non invenies
quere minores propinquiores et in angulo communi extra scribe equati
onem cum nota sua a vel m deinde iuxta equationem sumpta
videbis quid correspondeat uni minuto argumenti illud totiens sume quod habes
minuta maior quam minuta ultra ea cum quibus intrasti et productum adde ad equa
tionem extra sumptam scriptam si proxime sequens equatio in tabula
secundum processum numerorum graduum cum quibus intrasti maior fuit quam minime subtrahe
et provenient equatio solis quesita quam vide medio motui si habet
a notam aut minue si habet m et exibit verus locus solis quesitus
Malui autem equacionis tabulam de novo componere propterea quod
ea que in tabulis alphonsinis habetur precisione careat Volui ea
etiam sequentem que lune est pro minutis in lineis numeri augere ut
facilior esset et compa comparatio per partes proporcionales sumendas

Sexta

Quando adequare ad instans pro quo locum lune verum habere voles ex premissis habeas veros motus solis lune et medios
argumenti lune subtrahe itaque medium motum solis a medio motu lune
querendo signa superius et gradus et minuta in sinistris lateribus descen
dendo quos signa gradus et minuta proporcionabilia que extra notabis et sig
na et si centri precise non inveneris cum minori propinquiori intrabis et
per partem proporcionalem sumptam de tota differentia secundum proporcionem resi
duorum minutorum centri ad 60 minuta equatam equacionem centri eam addes ar
gumento medio si iuxta signa centri quibus intrasti scriptum est centrum
addit aut minue si ibi scriptum est minue centrum Et exibit argu
mentum lune verum Cum quo similiter intrabis ut cum centro fecis
ti et in angulo communi accipies diversitatem diametri et equacionem argumenti
Et si precise non inveneris gradus et minuta argumenti intrares cum
minori propinquiori et videres id quod in eo loco correspondet uni
minuto argumenti id totaliter sumens quot sint in argumento minuta re
sidua et productum equacioni argumenti addens si proxime se
quens equacio secundum processum minutorum graduum cum quibus intrasti maior
fuerit aut minueres si minor et quod exit equatio argumenti primo
examinata deinde de diversitate dyametri accepta sume par
tem proporcionalem secundum proporcionem minutorum proporcionalium
prius examinatorum ad 60 minuta et hanc partem addes equacioni
argumenti primo examinate et pervenient equatio argumenti ultimo ex
aminata quam iunges medio motui lune si iuxta signa argu
menti scriptum sit argumentum addit aut minue ab eo si scriptum
ibi sit argumentum minuit et exibit verus locus lune questitus

Septima

Verum locum solis argumentum lune equatum item ar
gumentum lune latitudinis lune equatum ad instans vere
coniunctionis aut opposicionis breviori via investigare atque dies
non equatos adequatos reducere hec valet dum in eis contentus sis
que ex tribus primis proposicionibus reperisti Cum argumento solis queren
do equacionem tempore medie coniunctionis vel opposicionis invento
intra tabulam equacionis solis eius ut in quinta dictum est quam
signabis per notam a l m. iuxta signa argumenti solis repertam
Deinde cum distancia vere coniunctionis aut opposicionis intra tabulam
veri motus solis in horis et minutis querendo eandem distanciam in parte
sinistra et superius argumentum solis via minus et illud quod in an
gulo communi inveneris extra scribe et si bis intrandum extra scribe itera
bis quod autem sic inveneris et verus motus solis in parte predicte
distancie hunc signabis per notam qua signata sunt distancia vere
coniunctionis a media aut opposicionis post vel ante si hec duo scilicet equatio
solis atque motus distancie fuerint eiusdem note tunc ea coniunge si fuerit
diversarum maiorem aut minorem deme et si invenisti productum signa et
notam priorum amborum vel si unum ab altero minuisti residuum signa
per notam maioris a quo facta est subtractio quod itaque provenit simul
a adde cum loco solis medio idem cum argumento latitudinis medio ad

que adde

v.
[marginal note, partly illegible:] quia si in fine proporcionalis ... diversitas diametri ... accipienda ... secundum

tempus medie coniunctionis aut oppositionis reperies aut minue
ab eodem si habet m. et exibit locus solis verus et argumentum lati-
tudinis fere equatum ad tempus vere coniunctionis aut oppositionis Ideo
autem dixi fere equatum quia non potest differre ab equato plus quam
duobus minutis quod accidit propter motum capitis in tempore distancie vere
coniunctionis aut oppositionis a media Ideo si volueris motum capi-
tis medium in tempore talis distancie minue ab eodem si distancia habet m. aut
adde si habet a et erit recte equatum scilicet ad tempus vere coniunctionis aut
oppositionis queras medium motum capitis seu quingas verum motum
lune et exibit argumentum latitudinis lune equatum ad veram
oppositionem vel coniunctionem Item cum distancia vere coniunctionis
aut oppositionis a media intra tabulam medii argumenti lune cum horis
et minutis et quod ibi inveneris extra scribe et eidem extra scripta pro qua-
libet hora distancie minuta iunge et productum adde ad argumentum
lune medium tempore medie coniunctionis vel oppositionis invento vel
ab eodem minue secundum indicium note predicte distancie et pervenient ar-
gumentum lune equatum ad tempus vere coniunctionis vel oppositionis
si tamen his contentus esse volens equare omnia hec ut in h. c. est
dictum est Preterea cum vero loco solis ad tempus vere coniunctionis vel
oppositionis invento intra tabulam equationis dierum superius que-
rendo signum in sinistro gradum et invenies in angulo communi equa-
tione dierum scilicet minuta et secunda temporis que iunge ad tempus coniunctionis
aut oppositionis vere diebus non equatis et perveniet vera coniunctio
aut oppositio diebus equatis

Tempus visibilis coniunctionis atque diversitatem
aspectus in latitudine ad idem tempus indagare Ex prioribus
habes veram coniunctionem diebus equatis locum verum solis et argumentum
lune equatum ad idem tempus Tabulas igitur distancie ad item
temporis visibilis coniunctionis a vera que ex climati assumunt sive sexto
sive septimo intra cum signo solis querendo in eadem tabula signum solis
a parte sinistra horas aut minuta distancie vere coniunctionis diebus
equatis a meridie in parte quidem ante meridiem si coniunctio fuerit
ante aut post meridiem si fuerit post in partem aut superiori que-
res signa argumenti lune in angulo namque communi eorum reperies
horas et minuta distancie visibilis coniunctionis a vera et minuta diversitatis
aspectus in latitudine Quod si horas et minuta distancie coniunctionis
vere a diebus equatis a meridie neque argumentum lune equatum pre-
cise non inveneris intra sub argumento lune proxime minori in ta-
bula reperta et cum horis et minutis proxime minoribus in linea inve-
nientis et quod in angulo communi positum est de tempore et diversitate
latitudinis extra scribe post intrabis cum argumentis quo prius et
cum minuto horarum et minutorum proxime maiori in tabella reper-
ta et eorum que in tabella in angulo communi ponuntur ad ea que
extra scripsisti notabis differencias utriusque ad genus suum Et de illis differen-
ciis inveniende sunt partes proporcionales secundum proporcionem residui

distancie coniunctionis vere a meridie ultra illud tempus cum quo primo
intrasti ad extractionem horarum et minutorum cum quibus vero intrasti super
horas et minuta cum quibus primo fecisti introitum et pars proporcio
nalis temporis addenda est tempori extrascripto si tempus anguli quartis
2i maius fuerit tempore extrascripto ~~si tempus anguli quartis 2i ma~~
~~ius fuerit tempore extrascripto minuenda vero si minor simili pars~~
proporcionalis diversitatis latitudinis addenda est diversitati ex
scripte si diversitas anguli quartis 2i maior fuerit minuenda vero
si minor. Item intrabis cum horis et minutis quibus primo intrasti et
cum argumento lune proximo maiori in tabula et ea cum que in hoc
angulo communi ponuntur ad tempus et diversitatem que extrip
sisti notabis differencias de quibus sumendo sunt partes proporcionales
secundum proporcionem gradium argumenti lune ad 30 gradus et pars
proporcionalis temporis addenda erit tempori extrascripto ~~ad 30~~
si tempus huius anguli tercii maius fuerit tempore extrascripto aut
minuenda si minor simili pars proporcionalis diversitatis latitu
dinis addenda erit diversitati extrascripte si diversitas anguli tercii
maior fuerit diversitate extrascripta minuenda vero si minor parte
itaque proporcionali si addenda est addita et que minuenda est diminuta
provenit distancia visibilis coniunctionis a media ~~vera~~ et diversitas lati
tudinis. Et hoc ad principium signi cum tabullam intrasti quod si sol non
fuerit in principio signi sustinuit simili modo ut iam dictum est ~~intrandum erit~~
intrandum erit in ~~et~~ tabellam signi sequentis et extrapienda ~~m~~ erit distancia
visibilis coniunctionis a vera cum diversitate latitudinis postea harum
duarum distanciarum similiter harum duarum diversitatum differencie inde
desumuntur et de eis accipiende partes proporcionales ~~accipiende~~ secundum pro
porcionem minutorum graduum solis loci ultra signa integra ad unum
signum hoc est ad 30 gradus. Et pars proporcionalis temporis adden
da erit tempori ad principium signi solis si tempus sequentis signi
~~solis si tempus sequentis signi~~ maius fuerit aut minuenda si minus.
Similiter pars proporcionalis diversitatis addenda erit diver
sitati ad principium signi solis si diversitas sequentis ~~solis~~ signi maior
fuerit aut minuenda si minor. Exibunt que distancia visibilis coniunctionis
a vera et diversitas latitudinis que quaerebatur. Sed in hiis hec cautela obser
vanda est quod si ambo introitus tam in tabella ad principium signi solis quam
in tabella ad ~~medium~~ ^initium^ signi sequentis fuerit ut vtrumque super lineam 90 m
gradus ab ascendente aut infra tunc differencia temporum habebitur sub
trahendo minus a maiore et de ea sumenda est pars proporcionalis et cum ipsa
agendum ut dictum est et exibit distancia coniunctionis visibilis a vera cum
nota ante si introitus factus est infra gradum ab ascendente aut cum nota in
super si ut satis titulus a dextris indicat sed si accidit unum introitum
esse supra 90 gradum et in tabella alterius signi infra tunc quod
tempus in una tabella repertum fuerit addendum aliud vero minuendum
ideo differencia habetur si ambo tempora coniungentur et de coniuncto su
...

minuenda vero si minor
simili pars

est pars proporcionalis secundum oppositionem [al. *proporcionem*] minutorum gradum solis ultra prin
cipium sui signi et sui signum hoc est 30 gradus et hec pars propor
tionalis subtrahi debet a parte principii signi solis si potest et resi
duum habebit notam a vel m. introitus in tabulam principii signi
solis aufferatur a parte proporcionali et residuum notam a vel m.
ut habebit introitus in tabellam signi sequentis quod itaque super
venerit erit distancia visibilis coniunctionis a vel m. si habet notam a.
adde eam tempori vere coniunctionis diebus equatis aut minue eam si ha
bebit m. et provenient tempus coniunctionis visibilis diebus equatis

Nona

Media solis et lune vera et argumentum latitudinis
verum ad tempus visibilis coniunctionis requiruntur. Cum
tempore distancie visibilis coniunctionis a vera intra tabulam veri
motus solis in horis et minutis et sub argumento solis ad tem
pus vere coniunctionis invento aut sibi maiori in tabula in angulo com
munem descriptum cum nota et si bis inveneris bis intrabis lune mo
tum adde cum vero solis loco tempore vere coniunctionis a vera intra
tabulam veri motus lune in horis et minutis et sub argumento et tempore
vere coniunctionis prius habito aut sibi vicinori in angulo communi motum
repertum extrascribe et si bis inveneris fuerit bis intrabis lune motum
extrascriptum ad locum verum solis tempore vere coniunctionis adde vel
minue sicut de sole fecisti et perveniet verus locus lune tempore
visibilis coniunctionis Illud idem quoque quod in angulo communi rep
tum habuisti de motu lune adde cum argumento latitudinis lune
equato tempore vere coniunctionis vel minue ab eo sicut de sole et luna fecis
ti et proveniet argumentum latitudinis lune equatum ad tempus
visibilis coniunctionis Si his contentus esse nolles poteris hec omnia eque
re per tabulas equationum solis et lune et motus capitis ut in 4 et
10 doctrinis ostensum est Sed non invenies diversitatem tantam in hoc
opere et alio que possit et utroque inveniri

Decima

Latitudinem lune visam tempore visibilis coniunctio
nis perscrutari Ex octava habes diversitatem aspectus in
latitudine tempus visibilis coniunctionis quod fuerat visa tunc vero re
peries latitudinem lune veram Cum argumento latitudinis lune
equato ex premissa ad tempus visibilis coniunctionis intra tabellam
latitudinis lune in eclipsibus querendo signa eius superius et gradus
et minuta directe sub signis aut signa inferius et gradus et minuta directe
supra habebis latitudinem lune veram ab ecliptica que erit eius partis
aut septentrionalis aut meridiane pro ut titulus vix signi in argu
menti latitudinis tui superius aut inferius indicat Qua lati
tudine habita si fuerit meridiana coniunge eam diversitati aspectus
in latitudine servate superius eo quod in omni regione ultra 15 clima
versus arctos semper fit diversitas in latitudine meridiana et ex
ibit latitudo lune visa que erit partis meridiane Si vero latitudo vera
fuerit septentrionalis tunc subtrahe eam a diversitate aspectus
in latitudine si diversitas fuerit maior latitudine vera et residuum

Si vero non potest subtrahi fiet ex tempus distancie ad principium signi solis

Super tunc eam in directe gradum et minutum argumenti latitudinis

erit latitudo lune visa et partis meridiane Si [illegible] si latitudo vera sep
tentrionalis fuerit maior diversitate aspectus in latitudine subtra
subtrahe diversitatem a latitudine vera et remanebit latitudo lune
visa et partis septentrionalis Undecima

6 [E]clipsis solis in quo die fiat cognoscere et quantitatem
eius et durationem principium quoque et finem ex tabulis calcu
lare Accipe latitudinem lune visam ex precedenti repertam ad tempus
ns visibilis coniunctionis et si ea fuerit plus quam 32 minuta non exspe
ctes eclipsim solis sed si minor fuerit fiet eclipsis Ideo si sol fuerit
augi vicinior quam latitudini sue medie idest dum argumentum
solis fuerit minus uno signo 14 gradibus aut plus 10 signis 14
gradibus intra tabulam eclipsis solis existentis in auge ecentrici et
est prima Si autem fuerit vicinior alteri longitudinum mediarum quam
augi et opposito eius sitque argumentum solis fuerit plus uno signo
14 gradibus 4 signis et minus 10 signis 14 gradibus tunc intra tabulam
eclipsis solis existentis in longitudine media ecentrica et est 2a Sed si
sol fuerit vicinior opposito augis quod fit dum argumentum eius plus 4
signis 14 gradibus et minus 7 signis 14 gradibus tunc intra tabulam e
clipsis solis existentis in opposito augis ecentrici et est tercia Intra
itaque tabulam suam cum minutis latitudinis lune visis querendo ea sursum
vel deorsum et super eius cum argumento lune tempore vere coniunctionis
habito et in angulo communi invenies puncta eclipsis et tempus casus
et si predicti gradus argumenti lune cum duplicatione introitu interdum duplicat
sit in tabulis accipiendo de eius partes proporcionales secundum proporcio
nem graduum argumenti lune ad 30 gradus et eos addes aut
minuas ut fieri solet in reliquis tamen si solummodo cum vicinori in
bis nil sensibilis accidere potest Numerus vero punctorum sit inventio ostendit
quanta pars diametri solis nobis eclipsabitur ymaginamur enim
totam dyametrum esse 12 puncta Si igitur habes 12 puncta in tabula
reperta totus sol eclipsabitur si sex medietas dyametri Si 4 tercia
pars si 3 quarta pars si 2 sexta si prima duodecima et istud tempus
casus est tempus quod est a principio eclipsis usque ad eius medium
Tantum eciam inde suppositum a medio causa ad finem Coniunctio autem
visibilis est medium eclipsis Ideo si tempus casus minuitur a tempore
coniunctionis visibilis habemus principium eclipsis Sed si tempori con
iunctionis visibilis superadditur tempus casus exibit eclipsis Et
si tempus casus duplicabit proveniet eclipsis duratio Duodecima

L [L]atitudinem lune visam ad principium atque finem eclipsis
investigare latitudinis visse pro tempore visibilis coniunctio
nis quod nunc medium eclipsis suppositum per tabulam latitudinis
lune reperies argumentum visum Intrando easdem tabulas cum latitu
dine visa et in directo eius versus sinistram si fuerit iuxta caput dra
conis accipe gradus et minuta sub 0 signo dum latitudo lune visa
fuerit meridionalis aut accipiendo gradus et minuta 11 signorum si latitudo visa
fuerit [illegible] aut accipiendo gradus et minuta supra 11 si fuerit [illegible]

vt si fuerit iuxta caudam accipiendo gradus
et minuta sub 6 signis et hec si latitudo
visa fuerit [illegible]

Et tale argumentum vocatur argumentum visum scilicet argumentum latitudinis lune vise tempore medii eclipsis hoc serva deinde tempore casus intra tabulam veri motus lune in hora et quod ibidem sibi argumento lune reperies aufer ab argumento latitudinis vise et servato et manebit argumentum latitudinis lune vise ad initium eclipsis Item illud idem quod tam minuisti adde super idem argumentum latitudinis lune vise ad finem eclipsis cum quo queras in tabula latitudinis lune quam tenebis pro latitudine lune ad finem eclipsis

// ad medium eclipsis et exurbit argumentum latitudinis lune vise ad finem

Semidiametros solis et lune visuales ac umbre in loco transitus lune demonstrat Tabulam semidiametrorum intraturum argumento solis aut sibi proxime viciniori et in eius directo reperies quantitatem semidiametri solis visualis Item cum argumento lune equato in eadem tabulas invenies semidiametrum lune visualem ac semidiametrum umbre sed hec semidiametri presupponunt solem esse in longe excentrici Quod si non fuerit cum argumento solis accipe variationem umbre et eam a semidiametro umbre iam reperta deme et manebit semidiameter umbre in loco transitus lune hec necessaria est in eclipsibus lune non solis /

Quantitatem partis obscurate ac totius eclipsis solaris figuram ad visum depingetur in superficie plana protrahatur linea recta cuius extremitatum officio circini signatur tot partes equales quot sunt minuta in aggregato ex ambabus semidiametris solis et lune et si in agregato resta minuta esset 2a scilicet earum proportionem ad minutum unum addatur circa potius unum ex partibus aut si ea acciderint 30 pro eis unum minutum accipe vel circa istorum secandum esset et hoc fiet deinde super centro statuto secundum quantitatem aggregati semidiametrorum tanquam semidiametrorum fiet circulus qui dicitur circulus aggregati semidiametrorum solis et lune quidam qui iam divisus est pro linea primo protractam in duo equalia Et equidem linea recta habeatur linea portionis eclipsis et eius pars sinistra habeatur orientalis dextra occidentalis hanc supra centro secet alia ortogonaliter ea tamen non sit visibilis sed occulta hec occulta est loco portionis circuli transeuntis per polos zodiaci et per locum solis in ecliptica huius pars superior habeatur meridiana inferior septentrionalis postea secundum quantitatem semidiametri solis visualis super priori centro fiet circulus qui superficiem solis representabat deinde inde signabis in linea occulta duo puncta unum quidem a centro distans secundum quantitatem latitudinis lune vise ad initium eclipsis aliud a centro distans secundum quantitatem latitudinis lune vise ad finem eclipsis et quilibet istorum distet a centro versus eam partem a meridiei aut septentrionali ...

// medio statim puncto tangit rectam agens versus unam eius

linea ... ad initium eclipsis dicatur parabella eclipsis videlicet linee primo protracte usque ad circumferentiam circuli maioris in parte occidentali et punctus sectionis huius parabelle cum circumferentia circuli maioris signat locum centri lune visum ad initium eclipsis Similiter a puncto latitudinis vise ad finem eclipsis dicatur parabella usque ad circumferentiam circuli maioris in parte orientali et punctus sectionis huius parabelle cum circumferentia maioris circulum designat locum centri lune visum ad

= ut latitudo visa fuit a quo puncto ad latitudinem vise

finem eclipsis duc etiam lineam rectam a loco centri lune viso in principio eclipsis ad locum eius in fine eclipsis que signat iter lune ab initio eclipsis ad finem. Eam per medium equaliter divide et punctus medius signabit locum centri lune in medio eclipsis. Ultimo secundum quantitatem semidiametri lune visualis in tribus locis centrorum lune scilicet principii medii et finis eclipsis fiant tres circuli. Fiat super ea tria centra qui representabit lunam in principio medio et fine eclipsis. Quantum itaque medius eorum de circulo solis occupabit tantum preparatur de superficie corporis solis eclipsabitur.

Quantitatem eclipsis lune durationem eius principium quoque et finem ipsius discernere. Prius habes tempus oppositionis vere diebus equatis argumentum lune equatum atque argumentum latitudinis lune intra tabulam latitudinis equati ex [illegible] et doctrinis [illegible] cum argumento latitudinis lune intra tabellam latitudinis lune et invenies latitudinem in [illegible] est dictum quam cum sua parte notam nam est latitudo lune vera in [illegible] vere oppositionis que si fuerit plus quam [illegible] minutis non expectabis eclipsim lune. Et si minor fuerit intra cum eam tabellam eclipsis lune illam dico tabellam que assimilat loco solis nam si sol fuerit vicinior auge quam longitudini medie intra eam que de tabella eclipsis lune sole existente in opposito augis eccentrici intra in tabellam suam querendo latitudinem lune a sinistris et argumentum lune superius in angulo communi invenies puncta ecliptica tempus casus et tempus more dimidie si moram habet. Et si propter gradus lune in argumento duplicatur intrandum sit [illegible] in latitudine lune ultima minuta facias illud more solito puncta itaque ostendunt quanta pars dyametri lune solis nobis eclipsatur nam si precise ut 12 sunt puncta tota luna eclipsabitur sed sine mora si pauciora 12 pars tantum obscurabitur tanta que dempto[?] de diametro quanta puncta inventa sunt pars de 12. Si vero plura fuerint puncta de 12 tota luna eclipsabitur sed sine mora si pauciora 12. Tempus vero casus si non habet moram est tempus a principio eclipsis usque ad medium et tantum etiam supponitur tunc a medio ad finem. Ideo ipsum aufer ab oppositione vera diebus equatis prius habita et remanebit initium eclipsis. Iterum ipsum eidem adde et habebis finem. Item duplicatum facit durationem. Sed si moram habuerit eclipsis tunc tempus casus est tempus ab initio eclipsis usque ad principium totalis obscurationis ad medium eclipsis quod nunc instans oppositionis vere diebus equatis supponitur. Nam tempus dimidie more demptum a tempore oppositionis vere relinquit principium totalis obscurationis et duplicatum ostendit totalis obscurationis durationem. Iterum tempus casus et dimidie more simul sublatum a tempore vere oppositionis indicat principium eclipsis et super additum eidem ostendit finem et duplicatum ostendit durationem ab initio eclipsis usque ad finem.

Altitudinem lune veram ad initium eclipsis similiter ad finem eius ostendere. Cum aggregato temporum casus et dimidie more iunctorum intra tabellam veri motus lune in horis

et additum eidem efficit finem totalis obscurationis

Cautela

[illegible] Cautela

et minutis sub argumento lune in angulo communi reperies
verum motum lune in dicto tempore. Cum ab argumento la
titudinis lune ad veram oppositionem equato deme et remane
bit argumentum latitudinis lune ad initium eclipsis. Item eundem
motum adde argumento latitudinis ad veram oppositionem et perve
niet argumentum latitudinis equatum ad finem eclipsis cum quo
similiter queres in tabula sua latitudinem lune veram ad finem
eclipsis et habebis intentum.

Decima septima

Eclipsis lunaris habitudinem in plano figurare. Sicud
in picta solis eclipsi dictum est, in superficie plana trahatur
linea recta que teneatur pro parte ecliptice cuius medius punctus
sit centrum umbre in loco transitus lune, quo versus sinistram viam et eciam inta
bum linee signatur officiosi circa tot partes equales quot sunt
~~Intrageccato~~ argumento minuta semidiametrorum super centro fiat circulus
et ~~et~~ super eodem centro alius secundum quantitatem semidiametri um
bre qui habeatur pro circulo umbre. Et sunt in hac figuratione
4. partes mundi oriens occidens meridies 4to ut in figura eclipsis
solaris. Item linea occulta ~~orgunaliter~~ ortogonaliter posita ecliptice secante super
centro circulorum ~~inequa~~ signentur duo puncta a centro distancia 2arum lati
tudinum lune verarum ad principium et finem eclipsis signentur ~~et~~ versus
eas partes meridiei aut septentrionis ut latitudines ipse sunt et
ab illis punctis ducantur parallele linee priori prima quidem a punc
to signante latitudinem lune ad initium eclipsis versus occidentem, secunda
a puncto signante latitudinem ad finem eclipsis versus orientem et in
cidentie earum in circumferenciam maioris circuli notentur que sig
nat loca centri lune ad initium et finem eclipsis et illa duo loca protractum
lineam copulatur que per medium puncto dividatur quod signat
locum lune in medio totalis obscurationis super illa tria puncta
secundum quantitatem semidiametri lune ~~versus~~ visualis fiant 3 circu
li lunam in principio medio et fine significantes. Quantum autem
de medio earum intra circulum umbre cadit tantum proporcionabi
liter de luna nobis eclipsabitur. Si enim totus intra cadit tota luna
obscurabitur, si pars eius intra cadit pars quoque talis de luna eclip
sabitur.

Margin (left): in argumento
Margin (left): et
Margin (left): // ortogonaliter
Margin (right): fiat
Margin (right): umbre et lune et 2m hanc quantitatem semidiametri

Decima octava

Quum que de eclipsi solari dicta sunt ex
empla subicere volo in inicio quictionem veram utriusque
eclipsium que fiet anno domini 1460 currente in mense Iulio.
Tempus igitur inicationis annorum Christi usque ad initium mensis
Iulii usualis predicti completum est 1459 annis et mensis unius.
Cum quo quidem ... tabule mediarum quictionum pro
imo in annis collectis 1460 invenio de tempore 1. 8. 38. 21
de loco solis 9. 11. 31. 16 de argumento lune 2. 23. 26. 44
et de argumento latitudinis 6. 28. 48. 49. deinde in annis
expansis apud 19 reperio de tempore 28. 20. 12. 6 de loco solis
11. 6. 48. 21. argumento lune 9. 11. 8. 16. de argumento lati
tudinis 11. 6. 43. 12. Posteaquam annus 1460 currens

bisextilis intro tabulam in situ bisextilium cum iulio et inveniemo de tempore 4. 19. 34. 22. de loco solis 4. 24. 38. 24. de argumento lune 4. 2. 42. 3. de argumento latitudinis 6. 2. 1. 23. [illegible] tibus ordinibus in viii metris unoquoque suo generi [illegible] de tempore. 21. 23. 26. 14. de loco solis 2. 1. 12. 0 de argumento lune 4. 9. 29. 3. de argumento latitudinis eius 10. 4. 43. 11. Et quia volo coniunctionem quero in tabula revolucionum in directo tituli coniunctionis temporis quod proximo maius aggregato temporis superius inventi reperitur ibi et inveniemo 49. 1. 28. 6 de tempore de loco solis 1. 28. 12. 28 de argumento lune 1. 21. 38. 1. de argumento latitudinis lune 21. 20. 28. Hunc igitur ordinem superscribo ordini partis aggregati unumquodque suo generi et in eo motus in eadem sed temporis inferius a superiori scripto subtraho et erit de tempore 18. 1. 1. 41. de argumento latitudinis 0. 1. 12. 42. Est ergo coniunctio solis et lune media quam quesivimus die iulii 18 hora post meridiem 1. minuto 33. et sequitur 41. ad meridianum [illegible] et ad idem tempus locus solis medius est 2. 4. 26. 28. Argumentum lune medium 11. 1. 12. et argumentum latitudinis medium 0. 1. 14. 42. Nunc pro auge solis habenda ad predicto tempore inventionis annorum x. intro tabulam augis solis et capio annis 1424 inveniemo 3. 0. 26. 18 et motum in anno 32. quem tercium pro tribus annis fiat 0. 0. 1. 22. et pro sex mensibus 0. 0. 0. 11 et pro decem octo diebus duo Est igitur aux solis ad inventionem 3. 0. 28. 19. hanc aufero ex loco solis medio relinquentur argumentum solis. 1. 2. 38. 29. Cum argumento solis et argumento lune [illegible] 1. 11. 12 intro tabulas distancie vere coniunctionis a media querendo argumentum solis in partes [illegible] eo quod argumentum quam argumentum lune plus est. 6. signis et argumentum lune in parte dextra ascendendo Reperio autem argumentum solis proxime minus 1 2 Argumentum autem lune proxime minus 1 1 in horum angulo [illegible] pro [illegible] hoc 6 minuta. 46. nota autem que ab angulo [illegible] versus argumentum solis procedendo [illegible] occurrit est [illegible] differencia solis est 6 minuta que procedunt augendo [illegible] differencia lune est. 6. minuta quibus similiter augetur angelus argumenti lune proximo maioris de differencia solis pars proporcionabilis est 2. minuta quia 38. minuta in argumento solis sunt fere una 3a de 2 gradibus [illegible] de differencia lune pars proportionabilis est 1. minutum quia 1 minuta in argumento lune sunt fere 8a pars unius gradus Et [illegible] partes proporcionales sunt addende [illegible] distancia vere coniunctionis a media 6 hore minuta 49. autem [illegible] ipsa subtracta a parte medie coniunctionis [illegible] quod tempore si carior fieri cupio equare [illegible] ad idem tempus solem et lunam intrando tabulas mediorum motuum inveniam ad hoc tempus medium motum solis 2. 4. 9. 29. medium lune

tempus vere coniunctionis 18 33 Iulii diebus non [illegible] de [illegible] [illegible]

e. 1. 36. 42. argumentum lune 6. 21. 19. 1. medium capitis 8. 1. 26. 41. Item aufero augem solis a medio eius motu fiet argumentum solis 4. 21. 1. Cum hoc inquiro equationem solis in tabula et est 1. 11. 4. minuenda. Relinquitur gradus verus solis e. 3. 48. 29. Item dempto medio motu solis a medio lune remanet 11. 26. 31. 19. Hoc duplicatum facit 11. 22. 48. 38. centrum lune cum hec tabula equationis lune invenio equationem centri 1. 3. minuendam eam itaque ablatam ab argumento medio remanet 5. 26. 16. argumentum equatum. Huic correspondet equatio argumenti in tabula 2. 21. 41. addenda addita igitur ad medium motum lune facit e. 3. 48. 38. verum motum lune qui distat a vero loco solis tantum in 4 secundis que si duplices faciunt 10. 2. tempus scilicet sextam partem unius minuti in hora que pro nichilo ponenda sunt. Quare si omisissem illud examen in nullo fuisset error notabilis sive tantum errore fuisset. Est itaque coniunctio verissima ut inventa est 11. 18. 33. Julii diebus non equatis. Postea si illud examen non fecissem pro loco vere coniunctionis reperiendo taliter cum argumento solis tempore medie coniunctionis scilicet cum 1. e. 38. 29. intrassem tabulam equationis solis et in angulo communi ponitur equatio 1. 11. 31. minuenda. Iterum cum tempore distantie vere coniunctionis a media scilicet cum 6. horis 49. minutis intro tabulam veri motus solis sub argumento solis viciniori scilicet sub 1. signo invenio verum motum solis in dicto tempore 16. 41 quod tempus distantie fiat minuendum coniungo cum equatione faciunt 1. 28. 18. que demo a medio motu solis tempore medie coniunctionis relinquitur e. 3. 48. 48. 30. verum locum vere coniunctionis. Ecce per hanc viam brevem reperi illa quod superius. Idem minuo quoque ab argumento latitudinis medio tempore medie coniunctionis reperto etiam minuam motum capitis medium in predicta distantia qui est 16. 2. et relinquetur argumentum latitudinis lune verum ad tempus vere coniunctionis scilicet o 4. 24. 18. Idem quoque provenisset si medium motum capitis tempore vere coniunctionis scilicet 8. 1. 26. 41. minuissem vero loco coniunctionis scilicet e. 3. 48. 30. Nam ex horum additione provenit o. 4. 24. 11. Pro argumento quoque rectificando intrassem tabulam medii argumenti lune cum tempore distantie scilicet cum 6. horis 49. minutis ibique ponuntur 2 3. 28. 4. Huic coniunxissem pro qualibet hora distantie unica et pervenisset e 41. et quia distancia habuit notam m. dempsissem illa ab argumento lune medio tempore coniunctionis scilicet ab 1 1. 1. remansisset 6. 26. 16. argumentum lune equatum ad tempus vere coniunctionis. Ecce qualiter duplici via eadem semper inveniuntur. Propterea cum loco solis vero tempore vere coniunctionis intro tabulam equationis lune dierum et invenio 12. minuta que coniungo tempori vere coniunctionis vere diebus equatis 11. 18. 44. Julii. Nunc pro coniunctione visibili considero distantiam huius temporis a meridie et est 4 hore 44 minuta. Et quia volo invenire quantitatem huius eclipsis ad Waradinum intro tabulas distancie coniunctionis visibilis a vera quas ordinavi ad climata septimum

[margin: nunc hora quod erat dictum non equata et erit hora coniunctionis vere]

eo quod Waradinum in medio sive septimi climatis est. Intro itaque in tabulam leonis quod est signum solis querendo horas ante meridiem et superius inveni tantum sub argumento lune et in angulo 9m facta equatione per partes proportionales reperio de tempore 1. 24. et de diversitate latitudinis 36. Similiter faciam ingrediendo tabulam signi sequentis scilicet virginis et invenio de tempore 1 21. et de diversitate latitudinis 21. differentia itaque temporum 12. et differentia diversitatum est 9. minuta. Et quia sol ultra principium leonis est fere 4 gradibus et sunt quasi 8a pars unius signi et ideo pars proportionalis gradibus differentie temporum et minuta fere et partes proportionales differentie diversitatum 1. minuti pars quidem temporum addenda sed pars diversitatis minuenda. Erit itaque distancia visibilis coniunctionis a vera 1. 21. et minuendum quia titulus positus a dextris indicat diversitas autem latitudinis equata erit 34. minuta que invenitur est in omnibus climatibus semper subtraho 1 horam 21. minuta a vera coniunctione diebus equatis scilicet 11. 18. 24. Julij manet 11. 11. 18. Julij diebus equatis et hoc est tempus visibilis coniunctionis. Deinde eodem tempore iam dicto scilicet 1. hora 21. minutis intro tabulam veri motus solis in horis et minutis sub argumento solis reperio motum 2 28. et quia tempus erit diminutum minuam quoque tunc motum eius de loco coniunctionis et remanet 4. 3. 44. 1. verus locus solis in visibili coniunctione. Similiter eodem tempore intro tabulam veri motus lune in horis et sub argumento lune in dicto tempore 41. 29. que diminuo similiter a vero loco coniunctionis et habebo 4. 3. 10. locum lune in visibili coniunctione. Item minuam quoque 41. 29 ab argumento latitudinis equato per veram coniunctionem scilicet ab 0. 4. 21. 11. et remanebit argumentum latitudinis equatum ad horam visibilis coniunctionis et est 0 4. 42. 28 Cum hoc argumento latitudinis equatum ad horam visibilis coniunctionis est 0 4. 42. 28 in tabula latitudinis lune quero latitudinem et invenio eam 0 26. septentrionalis diversitas autem latitudinis superius inventa fuerit 34. minuta minuta auffero minorem a maiore scilicet latitudinem a diversitate remanebit 9 tanta est latitudo lune visa et meridionalis est in visibili coniunctione. Preterea ut cognoscam si eclipsis fiat et quanta cum sole et viaturi angi quam longiori medie eccentrici sui intro tabulam eclipsis solis existentis in auge eccentrici fere in visa coniunctione et invenio in angulo communi puncta 9 21. de diametro solis tres quarte et paulo plus. Et medium eclipsis erit 11 16 22 Julij scilicet 4. minuta ante ortum solis medium erit 11. 13. finis 18 12. Postea cum latitudine visa scilicet 9 minutis meridiano intro tabulam latitudinis lune querendo latitudinem 9 minutorum in cuius directo positum est supra 11. signa 28. gradus 20 minuta eo quod est minima et iuxta caput draconis est ergo argumentum latitudinis visa in hora visibilis coniunctionis 11. 28. 20. hoc vicior servo. Deinde tamen tempore casus scilicet signis et invenio verum motum lune in dicto tempore

^ 46 minutis sub arcu lune diminui 5 7 signis et invenio

Sm sub arcu lune ergo diminui 5 7 signis et cum latitudine visa 9 minutorum

et tempus casus 0 46 et cetera proporcionaliter iuxta inequalis Waradini de

casus 33 minuta. hec aufero ab argumento latitudinis vise ad initium eclipsis et est iam habito et remanebit argumentum latitudinis vise ad initium eclipsis et est signa 5 gradus 41. huius latitudo in tabula potest signa minuta similiter minuta. Item iungo eundem motum verum lune cum argumento latitudinis vise servato et provenit argumentum latitudinis vise ad finem eclipsis scilicet signa 28 13. huic correspondet in tabula latitudinis latitudo minuta 6 minutorum. habes itaque latitudinem et septem minuta. Deinceps in tabula semidiametrorum cum argumento solis reperio semidiametrum solis visualem 14. secundis omissis secundis quia in scri-vos informando figuram eclipsis ingererent. Dicas semidiametrum solis visualem esse 16 minuta et lune 18. Tandem ut hanc eclipsim in plano depingam protraho in medio plani lineam rectam b a c cuius medietatem a b pono 3 partes equales secundum minuta minutorum maggregato ex semidiametris solis et lune et super a c quantitatem a b tanquam semidiametrum lineabo circulum b e c f et super b a c situ orthogonalis occulta e g a et sit b pars orientalis c occidentalis e meridionalis f septentrionalis. Item de partibus a b 3 e 6 accipio 16 que sunt ad secundum eius quantitatem tanquam semidiametrum solis facio circulum d h q qui solem representabit similiter de partibus a b 3 e facio a h in linea occulta signa 8 latitudinem visam ad initium eclipsis et hoc in parte a c que meridiana eo quod latitudo visa ad est meridiana. Et a l de eisdem sunt sex secundum latitudinem visam ad finem eclipsis facio quod h l equedistantem a c et b in equedistantem a b et de intersectionibus harum duarum linearum cum circulo maiori sunt l et m deinde duco lineam l o et m facio tres circulos secundum quantitatem semidiametri p d quorum primus n p super l significabit lunam in principio eclipsis secundus super o representat lunam in medio eclipsis et tertius super m designat ipsam in fine eclipsis et superficies q g s r ostendit partem eius et huic luminositatem nobis linea l m demonstrat latitudinem lune visam ad initium eclipsis et m latitudinem visam ad finem l o m transitus lune ab initio eclipsis usque ad finem Et hec est eius figura.

47 et minuta circulo lune reperio semidiametrum lune visualem 17 48 secundis omissis

visa ad initium eclipsis minuta ad finem vero 6 minuta et septem

decima nona

Ad que de eclipsi lunari dicta sunt exemplo declarare volumus invenire oppositionem veram luminarium et eclipsim lune que fiet anno domini 1460 currente in nocte in mense decembris. Tempus incarnationis Christi transactum usque ad initium illius mensis usualis est anni 1459 et november usualis cum quo quidem tempore domini intravi tabulas coniunctionum et oppositionum mediarum primo in annis collectis 1440. ibi invenio de tempore 7. 8.38.21 de loco solis 9 signa 31 secundis de argumento lune 2 23 26 et de argumento latitudinis 7. 24. 48 49. hec extrahendo. Item in annis expansis in directo 19 reperio de parte 28. 20 et de loco solis signa 6. 48 21. de argumento lune 9 signa 8 16 de argumento latitudinis signa 6. 43 42. hec similiter extrahendo sub prius extractis unumquodque sub suo similiter deinde quia annus currens est bisextilis

intro tabulam mensium bisextilium cum novembre ibi invenio de tempore
10.37.26 de loco solis 10.20.10.26 de argumento lune sub 9.13.49.6 de
argumento latitudinis lune 11.7.22.31. Hec quoque sub prioribus
extraponam ordinibus hos tres ordines aggregato proveniet quod
in tempore 26.8.14.19 in loco solis 7.2.46.1 in argumento vero re-
volucionum in directo termini oppositionis quia quero oppositionis
tempus proximo maius tempore meo invenitur 13.19.40.8 et
de loco solis 2.12.46.1 de argumento lune 8.4.32.31 de argumento lati-
tudinis 8.16.40.30. eundem igitur ordinem extra scribo super ag-
gregatum meum tempus quidem supra tempus et motus sub motibus
vel supra et motus in gradibus motibus tempus autem diminuam ex
parte et exibit tempus medie oppositionis 21.11.30.9 decim-
is et locus solis medius et nadir lune 9.14.32.2 et argumentum
lune medium 11.24.46. hec servabo. Deinde augem solis reperio in ta-
bula augis parata directo annorum completorum 1460 dies augem solis
non mutat et est 3.0.29.9.9. ablata ea a loco solis 6.12.42.43.
sumo locum argumenti solis et cum argumento lune iam situato intro tabu-
las distancie vere coniunctionis aut oppositionis a media querendo
argumentum solis superius et argumentum lune in sinistris lineis
deorsum et reperio argumentum solis proxime unum in tabula
6.12. argumentum autem lune 4.23. in horum angulo re-
ponitur distancia 2 hore 6 minuta que signo prenotatur quia que pre-
cedit eundo versus argumentum solis et differentia solis est 8 minuta que
procedit augendo et differentia lune est 10 minuta que procedit minuendo pars
proporcionalis de differentia solis est 3 minuta quia minuta ab argumento solis
sunt paulo plus quam 3 de duabus gradibus sic eciam 3 sunt pau-
lo plus quam una tercia de octo pars autem proporcionalis de differentia
lune est unum minutum in argumento lune sunt fere una decima unius gradus ita
eciam unum minutum est una decima de 10 addita parte solis et diminuta
parte lune exit distancia vere oppositionis a media 2.8. cum nota
additionis addam igitur hanc distanciam ad tempus medie oppo-
sitionis et proveniet tempus vere oppositionis 21.13.42 decim-
is diebus non equatis si tamen de hoc tempore certior fieri cupio
ad ipsum reperio vera loca luminarium ex tabulis mediorum mo-
tuum invenio motum [illegible] invenio motum solis medium ad hoc tem-
pus 9.14.37.11 motum lune medium 3.16.42.11 argumentum lune
medium 4.20.16.19 medium autem motum capitis 8.10.24.2 abla-
ta auge solis a medio eius motu remanet argumentum solis
6.12.48.8 cui in tabula equationis solis occurrit equatio 0.30.28
cum nota additionis ea igitur addita ad locum solis medium pro-
veniet verus locus solis 9.16.11.47. Item subtracto medio solis
a medio lune et relicto duplicato exit centrum lune 0.2.
10.0. huic correspondet in tabula equationis lune equatio centri
0.20. cum nota que addam igitur eam ad argumentum medium lune et fit argumentum lune
equatum 4.20.36. huic occurrit equacio argumenti 0.30.47 cum nota [illegible]
illa itaque ablata a medio motu lune remanet verus locus lune 9.

+ lune 9.18.34.6 in arcto latitudinis 3.9.14.12 in tabella vero revolucionum

|| 1460

44

viii

16. 11. 12 erat verus locus lune demptis a vero loco solis tantum in 4to min.
secundis que secundum phantasiam fuerit faciunt 12 secunda temporis que quamvis sint tamen
quarta pars unius minuti pro minuto reputato. Ergo omisso hoc errore
lune nullus fuisset error certior sit factum habeo oppositionem verissimam
quam inventa est 21. 13. 22 tempus decembris diebus non equatis
pro vero loco solis in oppositionem si non computassem solem nunc
intrassem cum argumento solis tempore medie oppositionis tabulam e-
quationis solis ubique invenissem equationem solis o. 3e. 11 cum nota
cum tempore distantie vere oppositionis a media cum argumento solis in-
trassem motum solis o. 11. 21. Similiter cum nota autem quia distantia
talem notam habuit quinimmo tamen hec duo faciunt o. 39. ee. cum nota
hoc iunxissem medio loco medie oppositionis et exivisset locus verus
solis in vera oppositione 9. 16. 11. e6. hac brevi via reperissem id
quod superius illud idem scilicet o. 39. ee. cum medio motu capitis
in tempore dicte distantie scilicet cum 12 secundis iungo argumento latitu-
dinis medio tempore medie oppositionis provenit 11. 26. 34.
et quod itaque cum priori concordat pro argumento quoque lune cum fieri intras
secundum tabulam medii argumenti lune cum distantia predicta ibique invenisse
motum motum sibi correspondentem o. 1. 19. eo. hunc o. 128. eo hoc totum ad
differentiam ad argumentum lune medium in media oppositione habitum
et exivisset argumentum lune equatum ad veram oppositionem 4. 36.
34. 11. quod etiam superiori via similiter reperiri nam licet uno
minuto sit dissimiliter ea tamen nil erroris efficere potest in rebus sep-
tibus. Preterea cum loco solis vero tempore vere oppositionis
intro tabulam equationis dierum ibique reperio equationem dierum
8 minuta ea iungo cum tempore vere oppositionis diebus non equatis
et exibit tempus vere oppositionis diebus equatis 21. 13. 10.
decembris et illud tunc suppono medium eclipsis esse. Postea opus
est habere latitudinem lune veram eam reperio cum argumento latitudinis
equato ad tempus vere oppositionis si invenio eam in tabula
11 minuta et 9 secunda meridionalem cum hac latitudine cognoscam si eclipsis
fiat et quanta quia sol vicinior est opposito augis ecentrici quam lon-
gitudinibus mediis ut argumentum satis indicat intro tabulas
eclipsis lune sole existente in opposito augis ecentri que veram superius
argumentum lune adequatum in latere sinistro latitudinem
lune argumento proximo invenio in tabula est 11. minuta in hoc
angulo quem sunt puncta ecliptica 14 32 tempus casus 19 tempus
dimidie more 39. et latitudinis sunt 49 secunda. Ideo invado differentiam sep-
tum angulorum et est ex parte argumenti differentia punctorum
6 punctorum que procedunt augendo cuius pars proportionalis
est 1. Item differentia ex parte latitudinis est 9 que procedit diminui-
cuius pars proportionalis est 6 centesimis minuitur similiter puncta equata
ecliptica 14 21 quare tota luna eclipsabitur tempus autem casus
cum sit per partes proportionales equatum fuerit est unum 10 tem-
pus vero dimidie more erit 38 hec duo tempora iuncta faciunt

[Marginal note:] quia in argumento lune ultra puncta sunt 2 gradus 9 et ultra minuta latitudinis

1 48 Tempus dimidie more erit 38 hec duo tempora dura
durationis eclipsis Ablato igitur a medio eclipsis habemus eciam ha
bemus inicium eclipsis 21. 52 decembris et finem 21. 1. 38. decem
bris diebus equatis Item ablata dimidia mora et eadem addita
habebimus inicium totalis obscurationis 21. 22 12. finem totalis obscu
rationis 21. 18 24 erit itaque duratio totalis obscurationis 1 16 tanto
namque tempore tota luna stabat in umbra totaliter obscurata duratio
autem eclipsis ab inicio usque ad finem erit 3. 36. Deinde cum tempore
dimidie durationis scilicet 1 48. et cum argumento lune in equato intro
tabulam veri motus lune in horis et fractionibus et invenio verum
motum lune in eadem parte esse 1 e. Et hunc inicio ab argumento la
titudinis equato ad veram oppositionem eius sed addingo et proveniet
argumentum latitudinis lune equatum ad principium eclipsis 11. 21. 3. et ad
finem 11 21. 48. 31. cum hiis quero latitudinem lune in tabula la
titudinis lune et erit latitudo lune ad inicium eclipsis 23 34 mi
nutis ad finem vero 52. 11. Similiter in eadem ... in tabula
semidiametrorum cum argumento lune invenio semidiametrum lune
18. 3 umbre vero 46. 17. sed cum sol non sit in auge intro eciam cum
argumento solis et invenio variacionem umbre 1 2 quibus a semidiame
tro umbre in tabula reperte deemptis exibit semidiameter umbre
equata ad locum eclipsis . 46.   Tandem ut hanc eclipsim lunarem
in plano figuremus ducta linea recta b a c pono eius me
dietatem a. c. 62   et super a tanquam centro quod in aggregato semi
diametrorum lune et umbre sunt 62 minuta et super a tanquam centro
secundum quantitatem semidiametri a c. facto circulo b. e. c. f quia erit diame
ter ... umbre et lune in qualium et c a b erit loco partis eclip
ticam quam luna ab inicio eclipsis usque ad finem perambulat super ea
erit ... e a f ortogonalis occulta et sit b. pars orientalis c. occi
dentalis e meridionalis f 1. Deinde officio circini facio ad partem e. 6. 2. quanti
tatem semidiametri umbre et super a tanquam centro secundum eandem
quantitatem facio circulum d g qui circulum umbre in loco terre sitque
lune representabit Iterum officio circini constituo a h 20 partium
et meridie versus c secundum quantitatem latitudinis in principio eclipsis que minutis est
et hoc de partibus linee a c. Item a k. versus eandem partem
in occulta linea habeat 52 partes et quantitatem umbre 2. quantitatem lati
tudinis lune et fine eclipsis a ... Deinde duco h. l. equ
distantem a c. secet circumferenciam c e f ... sit m et ducta linea l. m
divisa que per medium m ... facio tres circulos secundum quantitatem semidi
ametri lune scilicet a d. in tribus locis supradictis centra
l o m et sic habebimus figuram depictam in qua circulus g d. ...
culum ... umbre loco terre situs lune est circulus super l. desig
nat lunam in principio eclipsis dum in umbram terre ingreditur et cir
culus super o reputat eam in medio eclipsis et quantum ... circuli
profunditatem in circulo umbre versus centrum a ... proporcio...
corpus lune fundatur in piramide umbre terre versus ...
seu vadit sol propinquatio circulus autem super m demonstrat
lunam in finem eclipsis dum umbram penitus tota egressa est et linea

l.o. in significat tristitiam lune ab inicio eclipsis usque ad finem
si placuerit poteris quoque signare in principio totalis obscuratio(n)is
atque in fine eius scilicet in pri(nci)pio more et in fine s. eandem quantitatem semi
diametri lune visualis et sic haberes eam signatam in qua loca set
semper erit centrum eius in linea tristitius est a principio ad finem

Et sic est finis Canonum tabularum eclipsibus
lunarum

22 [illegible]

Tabula mediarum coniunctionum et oppositionum Sol' et Lune

Anni Christi collecti	Tempus D	H	M	2a	loci Medii Sol' S	G	M	2a	Argumenti medii Lune S	G	M	2a	Arg. latitudinis medii S	G	M	2a
1400	15	0	3	37	9	3	47	38	8	24	6	56	2	23	5	24
1440	7	8	38	27	9	11	37	14	2	23	26	44	4	24	58	49
1480	29	5	47	20	8	20	20	26	7	26	47	32	5	26	12	21
1520	21	14	32	11	8	28	10	2	1	26	17	20	7	28	5	56
1560	13	23	7	1	9	5	59	38	7	25	37	9	9	29	59	31
1600	6	7	41	52	9	13	49	14	1	24	56	57	0	1	53	6
1640	28	5	0	45	8	22	32	25	6	28	27	45	1	2	6	28
1680	20	13	35	35	9	0	22	1	0	27	47	32	3	5	0	3
1720	12	22	10	26	9	8	11	37	6	27	7	21	5	6	53	38
1760	5	6	45	16	9	16	1	13	0	26	27	9	7	8	47	14
1800	27	4	4	10	8	24	44	25	5	29	57	57	8	10	0	35
1840	19	12	39	0	9	2	34	1	11	29	17	45	10	11	54	11
1880	11	21	13	51	9	10	23	37	5	28	37	34	0	13	47	46
1920	4	5	48	41	9	18	13	13	11	27	57	22	2	15	41	21
1960	26	3	7	34	8	26	56	24	5	1	28	10	3	16	54	53
2000	18	11	42	25	9	4	46	0	11	0	47	58	5	18	48	18
2040	10	20	17	16	9	12	35	36	5	0	7	47	7	20	41	43
2080	3	4	52	6	9	20	25	12	10	29	27	35	9	22	35	28
2120	25	2	10	59	8	29	8	24	4	2	58	23	10	23	49	0
2160	17	10	45	49	9	6	58	0	10	2	18	11	0	25	42	15
2200	9	19	20	40	9	14	47	36	4	1	38	0	2	27	36	1
2240	2	3	55	30	9	22	37	12	10	0	57	48	4	29	29	36
2280	24	1	14	24	9	1	20	24	3	4	28	36	6	0	42	47
2320	16	9	49	14	9	9	10	0	9	3	48	24	8	2	36	33
2360	8	18	24	5	9	16	59	36	3	3	8	13	10	4	30	8
2400	1	2	58	55	9	24	49	12	9	2	28	1	0	6	23	43
2440	23	0	17	48	9	3	32	23	2	5	58	49	1	7	37	4
2480	15	8	52	39	9	11	21	59	8	5	18	37	3	9	30	40
2520	7	17	27	29	9	19	11	35	2	4	38	26	5	11	24	15
2560	0	2	2	20	9	27	1	11	8	3	58	14	7	13	17	41
2600	21	23	21	13	9	5	44	23	1	7	29	2	8	14	31	12
2640	14	7	56	3	9	13	33	59	7	6	48	50	10	16	24	47
2680	6	16	30	54	9	21	23	35	1	6	8	39	0	18	18	23
2720	28	13	49	47	9	0	6	47	6	9	39	27	1	19	31	44
2760	20	22	24	38	9	7	56	23	0	8	59	15	3	21	25	20
2800	13	6	59	28	9	15	45	59	6	8	19	3	5	23	18	56
2840	5	15	34	18	9	23	35	34	0	7	38	52	7	25	12	31
2880	27	12	53	12	9	2	18	46	5	11	9	40	8	26	24	43
2920	19	21	28	2	9	10	8	22	11	10	29	28	10	28	19	28
2960	12	6	2	53	9	17	57	58	5	9	49	16	1	0	13	3
3000	4	14	37	43	9	25	47	34	11	9	9	5	3	2	6	38
3040	26	11	56	37	9	4	30	46	4	12	39	43	4	3	20	0

Tabula mediarum coniunctionum et oppositionum Solis et Lune

Anni expansi	Tempus					Locus medius Solis					Argumentum medium Lune					Argumentum latitudinis Lune				
	D	H	M	2		S	G	M	2		S	G	M	2		S	G	M	2	
1	10	14	11	23	24	11	19	16	40	20	10	9	48	6	49	0	8	2	44	13
2	21	6	23	47		11	8	33	41		8	19	36	14		0	16	4	30	
3	2	8	40	7		11	26	46	44		7	24	13	22		1	24	48	29	
4	14	0	1	31		11	16	13	44		6	4	1	29		2	2	41	14	
5	24	14	12	44		11	4	30	36		4	14	49	36		2	10	44	0	
6	6	17	40	14		11	23	43	40		3	20	26	43		3	19	36	49	
7	16	8	41	38		11	13	10	41		2	0	14	40		3	27	39	44	
8	28	0	3	1		11	2	27	31		0	10	2	47		4	4	42	29	
9	9	2	30	21		11	20	40	44		11	19	40	4		5	14	24	28	
10	19	17	41	44		11	10	7	36		9	24	28	12		5	22	28	13	
11	0	20	9	4		11	28	30	40		9	1	4	19		7	1	11	12	
12	12	11	20	29		11	17	47	41		7	10	43	26		7	9	13	48	
13	23	2	31	42		11	7	4	31		5	20	41	33		7	17	16	43	
14	4	4	49	12		11	24	27	46		4	26	18	41		8	24	49	42	
15	14	20	10	36		11	14	44	36		3	6	6	48		9	4	2	27	
16	26	11	21	49		11	4	1	26		1	14	44	44		9	12	4	12	
17	7	13	49	20		11	22	24	41		0	21	32	2		10	20	48	11	
18	18	4	0	43		11	11	41	31		11	1	20	9		10	28	40	47	
19	28	20	12	6		11	0	48	21		9	11	8	16		11	6	43	42	
20	10	22	39	27		11	19	21	36		8	16	44	24		0	14	36	41	
21	21	13	40	40		11	8	38	26		6	26	33	31		0	23	39	26	
22	2	16	18	10		11	27	1	41		6	2	10	38		2	2	22	24	
23	13	7	29	34		11	16	18	31		4	11	48	44		2	10	24	10	
24	24	22	40	47		11	4	34	21		2	21	46	42		2	18	27	44	
25	6	1	8	18		11	23	48	36		1	27	24	0		3	27	10	44	
26	16	16	19	41		11	13	14	26		0	7	12	17		4	4	13	40	
27	27	7	31	4		11	2	32	17		10	17	0	14		4	13	16	24	
28	9	9	48	24		11	20	44	31		9	22	37	22		5	21	49	24	
29	20	1	9	48		11	10	12	21		8	2	24	29		6	0	2	9	
30	1	3	37	9		11	28	34	36		7	8	2	36		7	8	44	8	
31	11	18	48	32		11	17	42	26		5	17	40	43		7	26	47	43	
32	23	9	49	44		11	7	9	17		3	27	38	40		7	24	40	38	
33	4	12	27	16		11	24	32	31		3	3	14	48		9	3	33	37	
34	14	3	38	39		11	14	49	21		1	13	4	4		9	11	36	23	
35	27	18	40	3		11	4	6	12		11	22	42	12		9	19	39	8	
36	7	21	17	23		11	22	29	26		10	28	29	19		10	28	22	7	
37	18	12	28	46		11	11	46	17		9	8	17	26		11	6	24	42	
38	29	3	40	10		11	1	3	7		7	18	4	33		11	14	27	37	
39	10	6	7	30		11	19	26	21		6	23	42	41		0	23	10	36	
40	21	21	18	43	27	11	8	43	11	44	4	3	3	47	49	1	1	13	21	31

Menses Communes

	Tempus				Locus medius Solis				Argumentum medium Lune				Argumentum latitudinis medium			
	D	h	m	2	S	G	M	2	S	G	M	2	S	G	M	2
Januarius	1	11	14	47	0	29	6	24	0	24	49	1	1	0	40	14
Februarius	29	11	14	47	0	29	6	24	0	24	49	1	1	0	40	41
Marcius	1	9	47	41	2	27	19	13	2	17	27	2	3	2	0	44
Aprilis	1	21	3	48	3	26	24	37	3	13	16	2	4	2	40	9
Maius	3	8	19	44	4	24	32	1	4	9	4	3	5	3	21	23
Junius	3	19	34	42	5	24	38	24	4	4	44	3	6	4	1	36
Julius	4	6	41	39	6	23	44	49	6	0	43	4	7	4	41	40
Augustus	6	18	7	36	7	22	41	14	6	26	32	4	8	4	21	4
September	7	4	23	33	8	21	47	38	7	22	21	4	9	6	2	18
October	8	16	39	30	9	21	4	2	8	18	10	6	10	6	42	1
November	9	3	44	26	10	20	10	26	9	13	49	6	11	7	22	31
December	10	14	11	23	11	19	16	40	10	9	48	7	0	8	2	44

Menses Bissextiles

	D	h	m	2	S	G	M	2	S	G	M	2	S	G	M	2
Januarius	1	11	14	47	0	29	6	24	0	24	49	1	1	0	40	14
Februarius	0	22	31	44	1	28	12	48	1	21	38	1	2	1	20	28
Marcius	2	9	47	41	2	27	19	13	2	17	27	2	3	2	0	41
Aprilis	2	21	3	48	3	26	24	37	3	13	16	2	4	2	40	44
Maius	4	8	19	44	4	24	32	1	4	9	4	3	5	3	21	9
Junius	4	19	34	42	5	24	38	24	4	4	44	3	6	4	1	23
Julius	6	6	41	39	6	23	44	49	6	0	43	4	7	4	41	36
Augustus	7	18	7	36	7	22	41	14	6	26	32	4	8	4	21	40
September	8	4	23	33	8	21	47	38	7	22	21	4	9	6	2	4
October	9	16	39	30	9	21	4	2	8	18	10	6	10	6	42	18
November	10	3	34	26	10	20	10	26	9	13	49	6	11	7	22	31
December	11	14	11	23	11	19	17	40	10	9	48	7	0	8	2	44

Tabula Revolucionum

	Precedit a sequenti minute				Adde loco Solis				Adde argumento Lune				Adde argumento latitudinis Lune			
	D	h	m	2	S	G	m	2	S	G	m	2	S	G	m	2
Opposicio	14	18	22	2	0	14	33	12	6	12	14	30	6	14	20	7
Coniunctio	29	12	44	3	0	29	6	24	0	24	49	1	1	0	40	14
Opposicio	44	7	6	4	1	13	39	36	7	8	43	31	7	16	0	21
Coniunctio	59	1	28	6	1	28	12	48	1	21	38	1	2	1	20	28
Opposicio	73	19	40	8	2	12	46	1	8	4	32	31	8	16	40	39
Coniunctio	88	14	12	9	2	27	19	13	2	17	27	2	3	2	0	41

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Argumenti solis

Argumenti lune

S G	0 h m	2 h m	4 h m	6 h m	8 h m	10 h m	12 h m	14 h m	16 h m	18 h m	20 h m	22 h m	24 h m	26 h m	28 h m	30 h m	S G
0 0	0 0	0 9	0 19	0 28	0 37	0 47	0 57	1 7	1 16	1 25	1 35	1 44	1 53	2 2	2 11	2 19	12 0
0 1	0 11	A 0 2	0 8	0 17	0 26	0 36	0 46	0 56	1 5	1 14	1 24	1 33	1 42	1 51	2 0	2 8	11 29
0 2	0 21	0 12	A 0 2	0 7	0 16	0 26	0 36	0 46	0 55	1 4	1 14	1 23	1 32	1 41	1 50	1 58	11 28
0 3	0 32	0 23	0 13	A 0 4	0 5	0 15	0 25	0 35	0 44	0 53	1 3	1 12	1 21	1 30	1 39	1 47	11 27
0 4	0 42	0 33	0 23	0 14	A 0 5	0 5	0 15	0 25	0 34	0 43	0 53	1 2	1 11	1 20	1 29	1 37	11 26
0 5	0 53	0 44	0 34	0 25	0 16	A 0 6	0 4	0 14	0 23	0 32	0 42	0 51	1 0	1 9	1 18	1 26	11 25
0 6	1 3	0 54	0 44	0 34	0 26	0 16	A 0 6	0 4	0 13	0 22	0 32	0 41	0 50	0 59	1 8	1 16	11 24
0 7	1 14	1 5	0 55	0 46	0 37	0 27	0 17	A 0 7	0 2	0 11	0 21	0 30	0 39	0 48	0 57	1 5	11 23
0 8	1 24	1 15	1 5	0 56	0 47	0 37	0 27	0 17	A 0 8	0 1	0 11	0 20	0 29	0 38	0 47	0 55	11 22
0 9	1 35	1 25	1 16	1 6	0 57	0 47	0 37	0 27	0 18	A 0 9	0 1	0 10	0 19	0 28	0 37	0 45	11 21
0 10	1 45	1 36	1 26	1 17	1 8	0 58	0 48	0 38	0 29	0 20	0 10	A 0 1	0 8	0 17	0 26	0 34	11 20
0 11	1 55	1 46	1 36	1 27	1 18	1 8	0 58	0 48	0 39	0 30	0 20	0 11	A 0 2	0 7	0 16	0 24	11 19
0 12	2 5	1 56	1 46	1 37	1 28	1 18	1 8	0 58	0 49	0 40	0 30	0 21	0 12	A 0 3	0 6	0 14	11 18
0 13	2 15	2 6	1 56	1 47	1 37	1 28	1 19	1 9	1 0	0 51	0 41	0 32	0 23	0 14	A 0 5	0 3	11 17
0 14	2 25	2 16	2 6	1 57	1 47	1 38	1 29	1 19	1 10	1 1	0 51	0 42	0 33	0 24	0 15	A 0 7	11 16
0 15	2 35	2 26	2 16	2 7	1 57	1 48	1 39	1 29	1 20	1 11	1 1	0 52	0 43	0 34	0 25	0 17	11 15
0 16	2 45	2 36	2 26	2 17	2 7	1 58	1 49	1 39	1 30	1 21	1 11	1 2	0 53	0 44	0 35	0 27	11 14
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0 18	3 5	2 56	2 46	2 37	2 27	2 18	2 9	1 59	1 50	1 41	1 31	1 22	1 13	1 4	0 55	0 47	11 12
0 19	3 15	3 6	2 56	2 47	2 37	2 28	2 19	2 9	2 0	1 51	1 41	1 32	1 23	1 14	1 5	0 57	11 11
0 20	3 25	3 16	3 6	2 57	2 47	2 38	2 29	2 19	2 9	2 0	1 51	1 42	1 33	1 24	1 15	1 7	11 10
0 21	3 35	3 25	3 16	3 6	2 56	2 47	2 38	2 28	2 19	2 10	2 1	1 52	1 43	1 34	1 25	1 16	11 9
0 22	3 44	3 35	3 25	3 16	3 6	2 57	2 48	2 38	2 28	2 19	2 10	2 2	1 53	1 44	1 35	1 26	11 8
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1 10	6 22	6 13	6 4	5 55	5 45	5 36	5 27	5 17	5 9	5 0	4 51	4 42	4 33	4 24	4 16	4 8	10 20
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1 15	7 0	6 51	6 42	6 33	6 23	6 14	6 5	5 55	5 47	5 38	5 29	5 21	5 12	5 3	4 54	4 46	10 15
	30 m	28 m	26 m	24 m	22 m	20 m	18 m	16 m	14 m	12 m	10 m	8 m	6 m	4 m	2 m	0 m	G

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S G	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	S G
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	
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1 15	7 0	6 51	6 42	6 33	6 23	6 14	6 5	5 55	5 47	5 38	5 29	5 21	5 12	5 3	4 55	4 46	10 15
1 16	7 7	6 58	6 49	6 40	6 31	6 21	6 12	6 3	5 55	5 45	5 36	5 28	5 19	5 10	5 2	4 55	14
1 17	7 14	7 5	6 56	6 47	6 38	6 28	6 19	6 10	6 1	5 52	5 43	5 35	5 26	5 17	5 9	5 1	13
1 18	7 21	7 12	7 3	6 54	6 45	6 35	6 26	6 17	6 8	5 59	5 50	5 42	5 33	5 25	5 16	5 8	12
19	7 28	7 19	7 10	7 1	6 52	6 42	6 33	6 24	6 15	6 6	5 57	5 49	5 40	5 31	5 23	5 15	11
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23	7 53	7 44	7 35	7 26	7 17	7 8	6 59	6 50	6 41	6 32	6 23	6 14	6 6	5 57	5 49	5 41	7
24	7 59	7 50	7 41	7 32	7 23	7 14	7 5	6 56	6 47	6 38	6 29	6 20	6 12	6 3	5 55	5 47	6
25	8 5	7 56	7 47	7 38	7 29	7 20	7 11	7 2	6 53	6 44	6 35	6 26	6 18	6 9	6 1	5 53	5
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1 29	8 26	8 17	8 8	7 59	7 50	7 41	7 32	7 23	7 15	7 6	6 57	6 48	6 40	6 32	6 24	6 16	10 1
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2 1	8 36	8 27	8 18	8 9	8 0	7 51	7 42	7 33	7 25	7 16	7 7	6 58	6 50	6 42	6 34	6 26	9 29
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2 29	9 40	9 32	9 23	9 15	9 6	8 58	8 40	8 41	8 33	8 24	8 17	8 9	8 1	7 53	7 45	7 38	9 1
3 0	9 40	9 32	9 23	9 15	9 6	8 58	8 40	8 41	8 33	8 24	8 17	8 9	8 1	7 53	7 45	7 38	9 0
	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0	G

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G	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	S G
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	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
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2	9 39	9 31	9 22	9 14	9 5	8 57	8 49	8 40	8 32	8 24	8 16	8 8	8 0	7 52	7 44	7 37	28
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4	9 38	9 29	9 21	9 13	9 4	8 56	8 48	8 39	8 31	8 23	8 15	8 7	7 59	7 50	7 43	7 36	26
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19	9 4	8 56	8 48	8 40	8 32	8 24	8 16	8 8	8 0	7 52	7 44	7 36	7 28	7 20	7 13	7 6	11
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23	8 48	8 40	8 32	8 24	8 16	8 8	8 0	7 52	7 44	7 36	7 28	7 20	7 13	7 5	6 58	6 51	7
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Argumenti solis

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Argumenti lune

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	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
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Argumenti lune

Argumenti solis

Argumenti solis 2

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Argumenti solis 9

2

Argumenti solis

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Argumenti lune

Argumenti lune

Argumenti solis

9

2

Argumenti Solis

G	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	S G
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Argumenti lune

Argumenti lune

Argumenti Solis

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Argumenti solis

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Argumenti lune (left margin) — Argumenti lune (right margin)

Argumenti solis

Argumenti Solis 3

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Argumenti Solis

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Argumenti solis 3

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Argumenti lune

Argumenti lune

Argumenti Solis ·8·

Argumenti Solis

3

Argumenti lune (S G)	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	Argumenti lune (S G)
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Argumenti Solis

Argumenti Solis

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Argumenti lune — Argumenti lune

Argumenti Solis

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Argumenti Solis

Argumenti lune

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Argumenti lune

Argumenti Solis

7

4

Argumenti Solis

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Argumenti lune (left and right margins)

Argumenti Solis

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Argumenti Solis 4

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Argumenti lune (left) — Argumenti lune (right)

Argumenti Solis 7

Argumenti solis

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Argumenti lune (left margin)

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Argumenti solis

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Argumenti solis

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Argumenti lune (left and right margins)

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Argumenti Solis

Argumenti lune (left) — Argumenti lune (right)

S g (Argumenti lune)	0 h m	2 h m	4 h m	6 h m	8 h m	10 h m	12 h m	14 h m	16 h m	18 h m	20 h m	22 h m	24 h m	26 h m	28 h m	30 h m	S g
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	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
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Argumenti solis

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Argumenti solis

G	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	S G
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	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
0 0	2 29	2 38	2 47	2 55	3 3	3 11	3 18	3 25	3 32	3 39	3 46	3 52	3 58	4 4	4 9	4 14	12 0
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	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
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Argumenti solis

S	G	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	S	G
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Argumenti lune

Argumenti Solis

8

Argumenti Solis

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Argumenti Solis

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Argumenti Solis

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Argumenti Solis

Argumenti solis

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Argumenti lune (right margin)

Argumenti solis

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Argumenti Solis

Argumenti lune

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Argumenti lune

Argumenti Solis

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Argumenti solis

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Argumenti solis

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Argumenti Solis

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Argumenti solis

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Argumenti lune (left margin)

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Argumenti lune

SG	G	0		2		4		6		8		10		12		14		16		18		20		22		24		26		28		30		G	SG
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6	9 36	9 29	9 22	9 14	9 7	8 59	8 51	8 44	8 36	8 28	8 20	8 12	8 5	7 57	7 49	7 41	24
7	9 30	9 23	9 16	9 8	9 1	8 53	8 45	8 38	8 30	8 22	8 14	8 6	7 58	7 51	7 43	7 35	23
8	9 23	9 16	9 9	9 1	8 54	8 46	8 38	8 31	8 23	8 15	8 8	8 0	7 52	7 45	7 37	7 29	22
9	9 17	9 10	9 3	8 55	8 48	8 40	8 32	8 25	8 17	8 9	8 1	7 53	7 45	7 38	7 30	7 22	21
10	9 10	9 3	8 56	8 48	8 41	8 33	8 25	8 18	8 10	8 2	7 54	7 47	7 39	7 32	7 24	7 16	20
11	9 4	8 57	8 50	8 42	8 35	8 27	8 19	8 12	8 4	7 56	7 49	7 41	7 33	7 26	7 18	7 10	19
12	8 57	8 50	8 43	8 35	8 28	8 20	8 12	8 4	7 57	7 49	7 42	7 34	7 26	7 19	7 11	7 3	18
13	8 50	8 43	8 36	8 28	8 21	8 13	8 6	7 58	7 50	7 42	7 34	7 27	7 19	7 12	7 4	6 56	17
14	8 42	8 35	8 28	8 21	8 14	8 6	7 58	7 51	7 43	7 35	7 28	7 20	7 12	7 5	6 57	6 49	16
4 15	8 34	8 28	8 21	8 13	8 6	7 59	7 51	7 44	7 36	7 28	7 21	7 13	7 5	6 58	6 50	6 42	7 15
	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0	

Argumenti lune

Argumenti solis

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S

S
ij
Argumenti Solis

S	G	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	S	G
		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
S	G	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	S	G
4	14	8 34	8 28	8 21	8 13	8 6	7 49	7 41	7 44	7 36	7 28	7 21	7 13	7 4	6 48	6 40	6 42	7	14
	16	8 27	8 20	8 13	8 6	7 49	7 42	7 44	7 37	7 29	7 21	7 14	7 6	6 48	6 41	6 43	6 34		14
	17	8 20	8 13	8 6	7 49	7 42	7 44	7 37	7 30	7 22	7 14	7 7	6 49	6 41	6 44	6 36	6 28		13
	18	8 12	8 4	7 48	7 41	7 44	7 37	7 29	7 22	7 14	7 6	6 49	6 41	6 43	6 36	6 28	6 20		12
	19	8 4	7 48	7 41	7 49	7 37	7 29	7 21	7 14	7 6	6 48	6 41	6 43	6 34	6 28	6 21	6 13		11
	20	7 47	7 40	7 43	7 36	7 29	7 21	7 13	7 6	6 48	6 40	6 43	6 34	6 27	6 20	6 13	6 4		10
	21	7 49	7 42	7 34	7 28	7 21	7 13	7 4	6 48	6 40	6 42	6 34	6 27	6 19	6 12	6 4	4 47		9
	22	7 41	7 34	7 27	7 20	7 13	7 4	6 47	6 40	6 42	6 34	6 27	6 19	6 11	6 4	4 47	4 49		8
	23	7 33	7 26	7 19	7 12	7 4	6 47	6 49	6 42	6 39	6 26	6 19	6 11	6 3	4 44	4 49	4 41		7
	24	7 24	7 18	7 11	7 4	6 47	6 49	6 41	6 39	6 26	6 18	6 11	6 3	4 44	4 48	4 41	4 33		6
	25	7 17	7 10	7 3	6 46	6 49	6 41	6 33	6 26	6 18	6 10	6 3	4 44	4 47	4 40	4 33	4 24		5
	26	7 8	7 1	6 49	6 47	6 40	6 33	6 24	6 18	6 10	6 2	4 44	4 47	4 39	4 34	4 24	4 16		4
	27	7 0	6 43	6 46	6 39	6 32	6 29	6 16	6 9	6 1	4 43	4 46	4 38	4 3	4 23	4 16	4 8		3
	28	6 41	6 44	6 37	6 30	6 23	6 16	6 8	6 1	4 43	4 44	4 38	4 30	4 22	4 14	4 7	4 49		2
4	29	6 43	6 36	6 29	6 22	6 14	6 8	6 0	4 43	4 44	4 37	4 30	4 22	4 14	4 7	4 49	4 41		1
5	0	6 34	6 27	6 20	6 13	6 6	4 49	4 41	4 47	4 36	4 28	4 21	4 13	4 4	4 48	4 40	4 42	7	0
	1	6 24	6 18	6 11	6 4	4 47	4 49	4 42	4 34	4 28	4 20	4 13	4 4	4 47	4 40	4 42	4 34	6	29
	2	6 16	6 9	6 2	4 44	4 48	4 41	4 33	4 26	4 19	4 11	4 4	4 46	4 48	4 41	4 33	4 24		28
	3	6 7	6 0	4 43	4 40	4 39	4 32	4 24	4 17	4 10	4 2	4 44	4 47	4 39	4 32	4 24	4 16		27
	4	4 48	4 41	4 47	4 37	4 30	4 23	4 14	4 8	4 1	4 43	4 46	4 38	4 30	4 23	4 14	4 7		26
	5	4 49	4 42	4 34	4 28	4 21	4 14	4 6	4 49	4 42	4 44	4 37	4 29	4 21	4 19	4 6	3 48		25
	6	4 40	4 33	4 26	4 19	4 12	4 4	4 47	4 40	4 43	4 34	4 28	4 20	4 12	4 4	3 47	3 49		24
	7	4 31	4 24	4 17	4 10	4 3	4 46	4 48	4 41	4 34	4 26	4 19	4 11	4 3	3 46	3 48	3 40		23
	8	4 22	4 14	4 8	4 1	4 44	4 47	4 39	4 32	4 24	4 17	4 10	4 2	3 44	3 47	3 39	3 31		22
	9	4 12	4 4	4 48	4 41	4 44	4 37	4 29	4 22	4 14	4 7	4 0	3 42	3 44	3 37	3 30	3 22		21
	10	4 3	4 46	4 49	4 42	4 34	4 28	4 20	4 13	4 6	3 48	3 41	3 43	3 34	3 28	3 21	3 13		20
	11	4 44	4 47	4 40	4 33	4 26	4 19	4 11	4 4	3 47	3 49	3 42	3 34	3 26	3 19	3 12	3 4		19
	12	4 44	4 37	4 30	4 [illegible]	4 16	4 9	4 1	3 49	3 47	3 39	3 33	3 24	3 16	3 9	3 2	2 49		18
	13	4 34	4 28	4 21	4 14	4 7	4 0	3 42	3 44	3 38	3 30	3 23	3 14	3 7	3 0	2 43	2 44		17
	14	4 24	4 18	4 11	4 9	3 47	3 40	3 42	3 34	3 28	3 20	3 13	3 4	2 47	2 40	2 43	2 34		16
	14	4 16	4 9	4 2	3 44	3 48	3 41	3 33	3 26	3 19	3 11	3 4	2 46	2 48	2 41	2 34	2 26		14
	16	4 6	3 49	3 42	3 44	3 28	3 31	3 23	3 16	3 9	3 1	2 49	2 46	2 38	2 31	2 29	2 16		14
	17	3 47	3 40	3 43	3 36	3 29	3 22	3 14	3 7	3 0	2 42	2 44	2 37	2 29	2 22	2 14	2 7		13
	18	3 47	3 40	3 33	3 26	3 19	3 12	3 4	2 47	2 40	2 42	2 34	2 27	2 19	2 12	2 4	1 47		12
	19	3 38	3 31	3 24	3 17	3 10	3 3	2 44	2 48	2 41	2 33	2 26	2 18	2 10	2 3	1 46	1 48		11
	20	3 28	3 21	3 14	3 7	3 0	2 43	2 44	2 38	2 31	2 23	2 16	2 8	2 0	1 43	1 46	1 38		10
	21	3 18	3 11	3 4	2 47	2 40	2 42	2 34	2 28	2 21	2 13	2 6	1 46	1 40	1 43	1 36	1 28		9
	22	3 8	3 2	2 44	2 48	2 41	2 34	2 26	2 19	2 12	2 9	1 47	1 49	1 41	1 34	1 27	1 19		8
	23	2 48	2 42	2 44	2 38	2 31	2 29	2 16	2 9	2 2	1 49	1 47	1 39	1 31	1 24	1 17	1 9		7
	24	2 48	2 42	2 34	2 28	2 21	2 14	2 6	1 49	1 42	1 44	1 37	1 29	1 21	1 14	1 7	0 49		6
	25	2 39	2 33	2 26	2 19	2 12	2 4	1 47	1 40	1 43	1 34	1 28	1 20	1 12	1 4	0 48	0 40		5
	26	2 29	2 23	2 16	2 9	2 2	1 44	1 47	1 40	1 33	1 24	1 18	1 10	1 2	0 44	0 48	0 40		4
	27	2 19	2 13	2 6	1 49	1 42	1 44	1 37	1 30	1 23	1 14	1 8	1 0	0 42	0 44	0 38	0 30		3
	28	2 9	2 3	1 46	1 49	1 42	1 34	1 27	1 20	1 13	1 4	0 48	0 40	0 42	0 34	0 28	0 20		2
5	29	1 49	1 43	1 46	1 39	1 32	1 24	1 17	1 10	1 3	0 44	0 48	0 40	0 34	0 24	0 18	0 10		1
6	0	1 49	1 43	1 36	1 29	1 22	1 14	1 7	1 0	0 43	0 44	0 38	0 30	0 22	0 14	0 8	0 0	6	0
		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
		30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0		

Argumentum Lune (left margin)

Argumentum Lune (right margin)

42
33
23
14

Argumentum Solis
S

Tabula semidiametrorum solis lune et umbre

Lune minute		Lune minute		Semidiameter solis visualis		Semidiameter lune visualis		Semidiameter umbre		Variatio umbre minuenda	
G	G	S	S	M	2	M	2	M	2	M	2
0	0	12	0	15	40	14	30	37	42	0	0
0	5	11	25	15	40	14	31	37	44	0	0
0	10	11	20	15	41	14	32	37	47	0	0
0	15	11	15	15	41	14	34	37	51	0	1
0	20	11	10	15	42	14	36	37	56	0	2
0	25	11	5	15	43	14	38	38	3	0	3
1	0	11	0	15	45	14	41	38	11	0	4
1	5	10	25	15	47	14	45	38	21	0	5
1	10	10	20	15	49	14	46	38	32	0	6
1	15	10	15	15	51	14	54	38	45	0	7
1	20	10	10	15	53	14	59	38	59	0	8
1	25	10	5	15	55	15	5	39	17	0	10
2	0	10	0	15	58	15	12	39	31	0	12
2	5	9	25	16	0	15	19	39	49	0	14
2	10	9	20	16	3	15	26	40	8	0	16
2	15	9	15	16	6	15	34	40	28	0	18
2	20	9	10	16	9	15	42	40	49	0	21
2	25	9	5	16	11	15	50	41	11	0	23
3	0	9	0	16	15	15	59	41	33	0	26
3	5	8	25	16	18	16	8	41	56	0	28
3	10	8	20	16	22	16	17	42	21	0	31
3	15	8	15	16	25	16	27	42	47	0	33
3	20	8	10	16	28	16	37	43	13	0	36
3	25	8	5	16	32	16	47	43	38	0	38
4	0	8	0	16	35	16	56	44	2	0	41
4	5	7	25	16	38	17	5	44	26	0	43
4	10	7	20	16	41	17	14	44	49	0	45
4	15	7	15	16	44	17	22	45	11	0	47
4	20	7	10	16	46	17	30	45	31	0	49
4	25	7	5	16	48	17	38	45	50	0	51
5	0	7	0	16	50	17	44	46	7	0	53
5	5	6	25	16	51	17	49	46	22	0	54
5	10	6	20	16	52	17	54	46	34	0	54
5	15	6	15	16	53	17	58	46	44	0	55
5	20	6	10	16	54	18	1	46	51	0	55
5	25	6	5	16	55	18	3	46	55	0	56
6	0	6	0	16	55	18	4	46	57	0	56

Tabula medior. motuu. in annis completis

Ad mediā Radices Incarnationis	Solis ☉ S	G	M	2	Lune ☾ S	G	M	2	Argu. Lune ☾ S	G	M	2	Capitis Draconis ☊ S	G	M	2
	9	8	17	43	4	2	2	55	6	18	16	42	3	1	55	42
1440	9	18	52	30	0	18	35	59	5	29	36	19	7	13	45	8
1460	9	19	1	19	5	2	9	47	7	9	20	45	8	10	34	59

Anni copleti	S	G	M	2	S	G	M	2	S	G	M	2	S	G	M	2
1	11	29	45	39	4	9	23	3	2	28	43	15	0	19	19	42
2	11	29	31	19	8	18	46	5	5	27	26	30	1	18	39	24
3	11	29	16	58	0	28	9	8	8	26	9	44	1	27	59	6
4	0	0	1	46	5	20	42	46	0	7	56	53	2	17	21	58
5	11	29	47	25	10	0	5	48	3	6	40	8	3	6	41	40
6	11	29	33	5	2	9	28	51	6	5	23	23	3	26	1	22
7	11	29	18	44	6	18	51	53	9	4	6	38	4	15	21	4
8	0	0	[illegible]	32	11	11	25	31	0	15	53	47	5	4	43	56
9	11	29	49	11	3	20	48	34	3	14	37	1	5	24	3	38
10	11	29	34	50	8	0	11	36	6	13	20	16	6	13	23	20
11	11	29	20	30	0	9	34	39	9	12	3	31	7	2	43	2
12	0	0	5	17	5	2	8	17	0	23	50	40	7	22	5	55
13	11	29	50	57	9	11	31	19	3	22	33	55	8	11	25	37
14	11	29	36	36	1	20	54	22	6	21	17	9	9	0	45	19
15	11	29	22	51	6	0	17	24	9	20	0	24	9	20	5	0
16	0	0	7	3	10	22	51	2	1	1	47	33	10	9	27	53
17	11	29	52	43	3	2	14	5	4	0	30	48	10	28	47	37
18	11	29	38	22	7	11	37	7	6	29	14	3	11	18	7	17
19	11	29	24	1	11	21	0	10	9	27	57	18	0	7	26	59
20	0	0	8	49	4	13	33	48	1	9	44	26	0	26	49	51
40	0	0	17	38	8	27	7	35	2	19	28	53	1	23	39	42
60	0	0	26	27	1	10	41	23	3	29	13	19	2	20	29	34
80	0	0	35	16	5	24	15	10	5	8	57	45	3	17	19	25
100	0	0	44	5	10	7	48	58	6	18	42	12	4	14	9	16
200	0	1	28	10	8	15	37	56	1	7	24	23	8	28	18	32
300	0	2	12	15	6	23	26	53	7	26	6	35	1	12	27	48
400	0	2	56	20	5	1	15	51	2	14	48	47	5	26	37	4
500	0	3	40	24	3	9	4	49	9	3	30	58	10	10	46	20
600	0	4	24	29	1	16	53	47	3	22	13	10	2	24	55	36
700	0	5	8	34	11	24	42	45	10	10	55	22	7	9	4	52
800	0	5	52	39	10	2	31	42	4	29	37	33	11	23	14	8
900	0	6	36	44	8	10	20	40	11	18	19	45	4	7	23	24
1000	0	7	20	49	6	18	9	38	6	7	1	57	8	21	32	40

Menses Comunes

	S	G	M	2	S	G	M	2	S	G	M	2	S	G	M	2
Januarius	1	0	33	18	1	18	28	6	1	15	0	53	0	1	38	30
Februarius	1	28	9	11	1	27	24	26	1	20	50	4	0	3	7	27
Martius	2	28	42	29	3	15	52	32	3	5	50	56	0	4	45	57
Aprilis	3	28	16	39	4	21	10	2	4	7	47	55	0	6	21	16
Maius	4	28	49	57	6	9	38	8	5	22	48	48	0	7	59	46
Junius	5	28	24	7	7	14	55	39	6	24	45	46	0	9	35	5
Julius	6	28	57	25	9	3	23	44	8	9	46	39	0	11	13	35
Augustus	7	29	30	43	10	21	51	50	9	24	47	32	0	12	52	4
Septem:	8	29	4	53	11	27	9	21	10	28	44	31	0	14	27	23
October	9	29	38	11	1	15	37	26	0	11	45	23	0	16	5	53
Novembe	10	29	12	21	2	20	54	57	1	13	42	22	0	17	41	12
December	11	29	45	39	3	9	23	3	2	28	43	15	0	19	19	42

Menses Bisextiles

	Solis ☉				Lune ☾				Argum: Lune ☾				Capitis draconis ☊			
	S	G	M	2	S	G	M	2	S	G	M	2	S	G	M	2
Januarius	1	0	33	18	1	18	28	6	1	15	0	53	0	1	38	30
februarius	1	29	8	19	2	10	35	1	2	3	53	58	0	3	10	38
Martius	2	29	41	37	3	29	3	7	3	18	54	50	0	4	49	8
Aprilis	3	29	15	47	5	4	20	37	4	20	51	49	0	6	24	27
Maius	4	29	49	5	6	22	48	43	6	5	52	42	0	8	2	57
Junius	5	29	23	15	7	28	6	14	7	7	49	40	0	9	38	16
Julius	6	29	56	33	9	16	34	19	8	22	50	33	0	11	16	48
Augustus	8	0	29	51	11	15	2	25	10	7	51	26	0	12	55	15
September	9	0	4	1	0	16	19	56	11	9	48	25	0	14	30	34
October	10	0	37	19	1	28	48	1	0	24	49	17	0	15	9	4
November	11	0	11	29	3	4	5	32	1	26	46	16	0	17	44	23
December	0	0	44	47	4	22	33	38	3	11	47	9	0	19	22	51

In Diebus

Dies	S	G	M	2	S	G	M	2	S	G	M	2	S	G	M	2
1	0	0	59	8	0	13	10	35	0	13	3	54	0	0	3	11
2	0	1	58	17	0	26	21	10	0	26	7	48	0	0	6	22
3	0	2	57	25	1	9	31	45	1	9	11	42	0	0	9	32
4	0	3	56	33	1	22	42	20	1	22	15	36	0	0	12	43
5	0	4	55	42	2	5	52	55	2	5	19	30	0	0	15	53
6	0	5	54	50	2	19	3	30	2	18	23	24	0	0	19	4
7	0	6	53	58	3	2	14	5	3	1	27	18	0	0	22	14
8	0	7	53	7	3	15	24	40	3	14	31	12	0	0	25	25
9	0	8	52	15	3	28	35	15	3	27	35	6	0	0	28	36
10	0	9	51	23	4	11	45	50	4	10	39	0	0	0	31	46
11	0	10	50	32	4	24	56	25	4	23	42	54	0	0	34	57
12	0	11	49	40	5	8	7	0	5	6	46	47	0	0	38	8
13	0	12	48	48	5	21	17	35	5	19	50	41	0	0	41	18
14	0	13	47	57	6	4	28	10	6	2	54	35	0	0	44	29
15	0	14	47	5	6	17	38	45	6	15	58	29	0	0	47	40
16	0	15	46	13	7	0	49	20	6	29	2	23	0	0	50	50
17	0	16	45	22	7	13	59	55	7	12	6	17	0	0	54	1
18	0	17	44	30	7	27	10	30	7	25	10	11	0	0	57	11
19	0	18	43	38	8	10	21	5	8	8	14	5	0	1	0	22
20	0	19	42	47	8	23	31	40	8	21	17	59	0	1	3	33
21	0	20	41	55	9	6	42	15	9	4	21	53	0	1	6	43
22	0	21	41	3	9	19	52	50	9	17	25	47	0	1	9	54
23	0	22	40	12	10	3	3	25	10	0	29	41	0	1	13	5
24	0	23	39	20	10	16	14	0	10	13	33	35	0	1	16	15
25	0	24	38	28	10	29	24	36	10	26	37	29	0	1	19	26
26	0	25	37	36	11	12	35	11	11	9	41	23	0	1	22	37
27	0	26	36	45	11	25	45	46	11	22	45	17	0	1	25	47
28	0	27	35	53	0	8	56	21	0	5	49	11	0	1	28	58
29	0	28	35	1	0	22	6	56	0	18	53	5	0	1	32	8
30	0	29	34	10	1	5	17	31	1	1	56	59	0	1	35	19
31	1	0	33	18	1	18	28	6	1	15	0	53	0	1	38	30

Continuatio tabulae praecedentis in horis et minutis

Horae	Solis ☉			Lunae ☾				Argumenti Lunae ☾			Capitis Draconis ☊		
	Gr.	M	2	G	M	2		G	M	2	G	M	2
1	0	2	28	0	32	56		0	32	40	0	0	8
2	0	4	56	1	5	53		1	5	19	0	0	16
3	0	7	24	1	38	49		1	37	59	0	0	24
4	0	9	51	2	11	46		2	10	39	0	0	32
5	0	12	19	2	44	42		2	43	19	0	0	40
6	0	14	47	3	17	39		3	15	58	0	0	48
7	0	17	15	3	50	35		3	48	38	0	0	56
8	0	19	43	4	23	32		4	21	18	0	1	4
9	0	22	11	4	56	28		4	53	58	0	1	11
10	0	24	38	5	29	25		5	26	37	0	1	19
11	0	27	6	6	2	21		5	59	17	0	1	27
12	0	29	34	6	35	18		6	31	57	0	1	35
13	0	32	2	7	8	14		7	4	37	0	1	43
14	0	34	30	7	41	10		7	37	16	0	1	51
15	0	36	58	8	14	7		8	9	56	0	1	59
16	0	39	26	8	47	3		8	42	36	0	2	7
17	0	41	53	9	20	0		9	15	16	0	2	15
18	0	44	21	9	52	56		9	47	55	0	2	23
19	0	46	49	10	25	53		10	20	35	0	2	31
20	0	49	17	10	58	49		10	53	15	0	2	39
21	0	51	45	11	31	46		11	25	55	0	2	47
22	0	54	13	12	4	42		11	58	34	0	2	55
23	0	56	40	12	37	39		12	31	14	0	3	3
24	0	59	8	13	10	35		13	3	54	0	3	11
25	1	1	36	13	43	31		13	36	34	0	3	19
26	1	4	4	14	16	28		14	9	13	0	3	27
27	1	6	32	14	49	24		14	41	53	0	3	34
28	1	9	0	15	22	21		15	14	33	0	3	42
29	1	11	28	15	55	17		15	47	13	0	3	50
30	1	13	55	16	28	14		16	19	52	0	3	58
31	1	16	23	17	1	10		16	52	32	0	4	6
32	1	18	51	17	34	7		17	25	12	0	4	14
33	1	21	19	18	7	3		17	57	52	0	4	22
34	1	23	47	18	40	0		18	30	31	0	4	30
35	1	26	15	19	12	56		19	3	11	0	4	38
36	1	28	42	19	45	53		19	35	51	0	4	46
37	1	31	10	20	18	49		20	8	31	0	4	54
38	1	33	38	20	51	45		20	41	10	0	5	2
39	1	36	6	21	24	42		21	13	50	0	5	10
40	1	38	34	21	57	38		21	46	30	0	5	18
41	1	41	2	22	30	35	22	23	19	10	0	5	26
42	1	43	30	23	3	31	22	[illegible]	51	49	0	5	34
43	1	46	57	23	36	28	23	[illegible]	24	29	0	5	42
44	1	48	25	24	9	24	23	24	57	9	0	5	49
45	1	50	53	24	42	21	24	25	29	49	0	5	57
46	1	53	21	25	15	17	25	[illegible]	2	29	0	6	5
47	1	55	49	25	48	14	25	26	35	8	0	6	13
48	1	58	17	26	21	10	26	27	7	48	0	6	21
49	2	0	44	26	54	6	26	27	40	28	0	6	29
50	2	3	12	27	27	3	27	28	13	7	0	6	37
51	2	5	40	27	59	59	27	28	45	47	0	6	45
52	2	8	8	28	32	56	28	29	18	27	0	6	53
53	2	10	36	29	5	52	28	29	51	7	0	7	1
54	2	13	4	29	38	59	29	30	23	46	0	7	9
55	2	15	32	30	11	45	29	31	56	26	0	7	17
56	2	17	59	30	44	42	30	31	29	6	0	7	25
57	2	20	27	31	17	38	31	32	1	45	0	7	33
58	2	22	55	31	50	35	31	32	34	25	0	7	41
59	2	25	23	32	23	31	32	33	7	5	0	7	49
60	2	27	51	32	56	28	32		39	45	0	7	57
1	M	2	3	M	2	3	M	[illegible]	2	3	M	2	3

Tabula equationis dierum

Gra	Aries H	M	Thaur' H	M	Gemini H	M	Cancer H	M	Leo H	M	Virgo H	M	Libra H	M	Scorp' H	M	Sagit' H	M	Capric' H	M	Aquari' H	M	Pisces H	M
0	7	44	17	20	20	42	16	28	11	46	15	28	24	4	32	20	29	32	16	24	3	16	0	28
1	8	4	17	36	20	42	16	4	11	42	15	44	24	24	32	28	29	16	15	42	3	0	0	36
2	8	24	17	42	20	48	15	46	11	42	16	0	24	44	32	32	29	0	15	24	2	44	0	44
3	8	44	18	8	20	44	15	44	11	42	16	16	25	4	32	36	28	40	14	42	2	28	0	42
4	9	4	18	20	20	40	15	32	11	42	16	32	25	24	32	40	28	20	14	20	2	12	1	0
5	9	24	18	32	20	36	15	20	11	42	16	48	25	40	32	44	28	0	13	48	1	46	1	8
6	9	48	18	44	20	32	15	8	11	42	17	4	27	0	32	44	27	40	13	16	1	44	1	16
7	10	8	18	46	20	28	14	46	11	46	17	20	27	20	32	48	27	20	12	44	1	32	1	28
8	10	28	19	8	20	20	14	44	11	46	17	40	27	40	32	48	26	46	12	16	1	20	1	40
9	10	48	19	20	20	12	14	32	12	0	18	0	27	46	32	48	26	32	11	48	1	8	1	42
10	11	8	19	28	20	4	14	20	12	4	18	20	28	12	32	48	26	8	11	20	0	46	2	4
11	11	28	19	40	19	46	14	8	12	8	18	36	28	28	32	44	25	40	10	42	0	48	2	16
12	11	48	19	48	19	48	13	46	12	12	18	46	28	44	32	44	25	12	10	24	0	40	2	28
13	12	8	19	46	19	40	13	44	12	16	19	16	29	0	32	40	24	44	9	46	0	32	2	40
14	12	28	20	4	19	32	13	32	12	24	19	36	29	16	32	36	24	16	9	28	0	24	2	46
15	12	48	20	12	19	20	13	28	12	32	19	46	29	32	32	28	23	48	9	0	0	20	3	12
16	13	8	20	20	19	12	13	16	12	40	20	16	29	48	32	24	23	20	8	32	0	12	3	28
17	13	28	20	28	19	4	13	8	12	48	20	36	30	4	32	16	22	42	8	4	0	8	3	44
18	13	48	20	36	18	42	13	0	12	46	20	46	30	20	32	8	22	24	7	36	0	4	4	0
19	14	8	20	40	18	40	12	42	13	4	21	16	30	32	32	0	21	46	7	12	0	4	4	16
20	14	28	20	44	18	28	12	44	13	16	21	40	30	44	31	42	21	28	6	48	0	0	4	36
21	14	44	20	48	18	16	12	36	13	28	22	0	30	46	31	40	21	0	6	24	0	0	4	42
22	15	4	20	42	18	4	12	28	13	40	22	20	31	8	31	28	20	32	6	0	0	0	5	8
23	15	20	20	42	17	42	12	20	13	42	22	40	31	20	31	16	20	0	5	36	0	0	5	20
24	15	40	20	46	17	40	12	16	14	4	23	0	31	32	31	4	19	28	5	12	0	4	5	44
25	15	46	20	46	17	28	12	12	14	16	23	20	31	40	30	42	18	46	4	42	0	4	6	4
26	16	16	20	46	17	16	12	8	14	28	23	44	31	48	30	36	18	24	4	32	0	8	6	24
27	16	32	20	46	17	4	12	4	14	40	24	4	31	46	30	20	17	42	4	12	0	12	6	44
28	16	48	20	46	16	42	12	0	14	46	24	24	32	4	30	4	17	24	3	42	0	16	7	4
29	17	4	20	46	16	40	11	46	15	12	24	44	32	12	29	48	16	42	3	32	0	20	7	24
30	17	20	20	42	16	24	11	46	15	28	24	4	32	20	29	32	16	24	3	16	0	28	7	44

Tabula distantie visibil' gradus [illegible] a vera



Ante meridiem

distantia vere gradus a meridie		Tempus		Latitudo / distantia	Tempus		Latitudo / distantia	Tempus		Latitudo / distantia	Tempus		Latitudo / distantia	Tempus		Latitudo / distantia	Tempus		Latitudo / distantia	Tempus		Latitudo / distantia
h	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m
6	0	0	[illegible]																			
5	0	0	43	47	0	43	48	0	43	49	0	43	41	0	42	42	0	41	44	0	40	46
4	0	0	37	46	0	36	47	0	36	49	0	34	41	0	34	42	0	34	44	0	34	44
3	0	0	24	44	0	24	44	0	24	46	0	39	48	0	23	40	0	23	42	0	22	43
2	0	0	6	40	0	6	41	0	6	42	0	16	44	0	16	46	0	5	47	0	5	48
1	46	0	0	39	0	0	40	0	0	40	0	0	42	0	0	44	0	0	46	0	0	47

Nonagesimus gradus ab ascendente

h	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m
1	46	0	0	39	0	0	40	0	0	40	0	0	42	0	0	44	0	0	46	0	0	47
1	0	0	20	34	0	20	36	0	20	37	0	19	39	0	19	40	0	18	41	0	18	42
Meridies		0	44	30	0	44	30	0	44	31	0	44	33	0	43	34	0	42	34	0	41	36
1	0	1	13	34	1	13	24	1	13	26	1	12	27	1	10	28	1	8	29	1	6	30
2	0	1	32	21	1	32	21	1	31	22	1	30	23	1	28	24	1	27	24	1	27	26
3	0	1	48	19	1	48	19	1	47	20	1	46	21	1	44	22	1	42	23	1	40	23
4	0	1	44	18	1	44	18	1	44	19	1	44	20	1	42	21	1	40	22	1	39	22
5	0	1	40	17	1	40	17	1	49	18	1	48	19	1	46	20	1	49	21	1	43	21
6	0																					
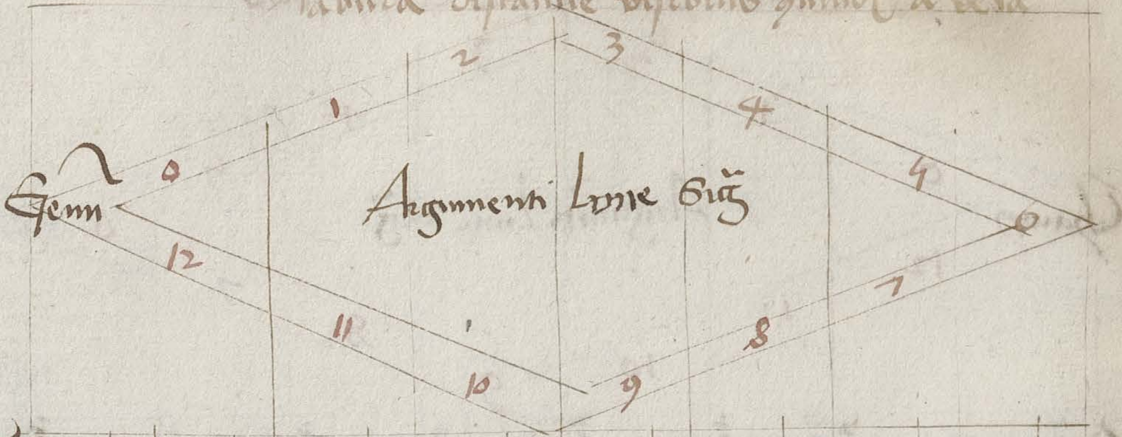
Post meridiem

Clima sextum pro eclipsi solis



Distantia vere coniunctionis a meridie		tempus latitudinis		diversitas	tempus latitudinis		diversitas	tempus latitudinis		diversitas	tempus latitudinis		diversitas	tempus latitudinis		diversitas	tempus latitudinis		diversitas	tempus latitudinis		diversitas
h	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m
6	48																					
6	0	0	42	48	0	42	44	0	42	41	0	41	43	0	40	44	0	44	47	0	44	48
5	0	1	0	47	1	0	48	0	49	40	0	48	42	0	47	47	0	44	44	0	49	46
4	0	1	2	44	1	2	44	1	2	46	1	2	48	1	1	40	1	0	42	0	49	43
3	0	0	48	41	0	48	42	0	48	43	0	47	44	0	46	44	0	44	46	0	44	46
2	0	0	24	34	0	29	36	0	24	37	0	24	38	0	24	40	0	24	41	0	23	42
1	11	0	0	30	0	0	31	0	0	32	0	0	33	0	0	34	0	0	34	0	0	36
Ante meridiem																						Minue
Nonagesimus gradus ab ascendente																						
1	11	0	0	30	0	0	31	0	0	32	0	0	33	0	0	34	0	0	34	0	0	36
1	0	0	0	29	0	0	30	0	0	31	0	0	32	0	0	33	0	0	34	0	0	34
Meridies		0	33	24	0	33	24	0	33	24	0	33	26	0	32	27	0	31	28	0	30	29
1	0	1	0	24	1	49	20	0	49	21	0	48	22	0	47	23	0	46	24	0	44	24
2	0	1	24	19	1	24	19	1	24	20	1	23	21	1	21	22	1	19	23	1	18	23
3	0	1	39	14	1	39	19	1	39	20	1	38	21	1	36	22	1	34	23	1	32	23
4	0	1	41	20	1	42	20	1	41	21	1	40	22	1	38	23	1	37	24	1	36	24
5	0	1	44	22	1	44	22	1	44	23	1	42	24	1	41	24	1	40	26	1	39	26
6	0	1	41	24	1	41	24	1	41	24	1	40	26	1	38	27	1	36	28	1	34	28
6	48																					
Post meridiem																						Adde

tabula distantie visibilis [illegible] a vera



Distantia vere [illegible] horis a meridie H	M		Tempus H	M	Distantia M	Tempus H	M	Distantia M	Tempus H	M	Distantia M	Tempus H	M	Distantia M	Tempus H	M	Distantia M	Tempus H	M	Distantia M	Tempus H	M	Distantia M
7	28																						
7	0		0	40	47	0	40	48	0	40	44	0	40	41	0	49	43	0	49	49	0	48	44
6	0		0	47	49	0	48	44	0	47	46	0	47	48	0	46	40	0	44	41	0	44	42
5	0		1	1	40	1	2	41	1	1	42	1	1	44	1	0	49	0	49	47	0	49	48
4	0		0	49	37	0	49	38	0	49	39	0	48	41	0	47	42	0	46	43	0	46	44
3	0		0	44	34	0	44	34	0	44	36	0	43	37	0	42	38	0	41	39	0	41	40
2	0		0	39	29	0	39	29	0	39	30	0	38	31	0	37	31	0	36	32	0	36	34
1	0		0	13	24	0	13	24	0	13	24	0	33	26	0	13	27	0	12	28	0	12	29
0	30		0	0	22	0	0	22	0	0	23	0	0	24	0	0	24	0	0	26	0	0	26

Ante meridiem

Nonagesimus q ab ascen[dente]

H	M		Tempus H	M	Distantia M	Tempus H	M	Distantia M	Tempus H	M	Distantia M	Tempus H	M	Distantia M	Tempus H	M	Distantia M	Tempus H	M	Distantia M	Tempus H	M	Distantia M
0	30		0	0	22	0	0	22	0	0	23	0	0	24	0	0	24	0	0	26	0	0	26
Meridies			0	17	21	0	17	21	0	16	22	0	16	22	0	16	27	0	14	24	0	14	24
1	0		0	46	18	0	46	18	0	42	19	0	44	20	0	43	21	0	42	22	0	41	22
2	0		1	12	19	1	12	19	1	11	20	1	10	21	1	8	22	1	7	23	1	6	24
3	0		1	27	21	1	28	21	1	27	22	1	26	23	1	24	24	1	23	24	1	22	24
4	0		1	32	24	1	33	24	1	32	24	1	30	26	1	28	27	1	27	28	1	26	28
5	0		1	35	27	1	36	28	1	34	28	1	34	30	1	22	31	1	31	32	1	30	32
6	0		1	34	30	1	34	30	1	33	31	1	32	33	1	30	34	1	29	34	1	28	36
7	0		1	26	32	1	27	33	1	26	34	1	24	36	1	24	38	1	23	39	1	22	40
7	28																						

Post meridiem

Tabula distantie gradus visibilis a vera



Nonagesimus ante Meridiem

Distantia gradus vere a meridie		Tempus		Distantia	Tempus		Distantia	Tempus		Distantia	Tempus		Distantia	Tempus		Distantia	Tempus		Distantia	Tempus		Distantia
				Latitudo			Latitudo			Latitudo			Latitudo			Latitudo						Latitudo
h	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m
7	44																					
7	0	1	9	40	1	10	41	1	9 42	42	1	9	43	1	8	44	1	7	46	1	6	47
6	0	1	16	37	1	17	38	1	17	39	1	10	40	1	14	42	1	14	43	1	13	44
5	0	1	20	34	1	20	34	1	19	36	1	19	37	1	17	38	1	16	39	1	14	40
4	0	1	18	30	1	19	31	1	18	32	1	18	33	1	16	34	1	14	34	1	14	36
3	0	1	14	27	1	16	27	1	14	28	1	14	29	1	13	30	1	12	31	1	11	32
2	0	1	2	24	1	3	24	1	2	24	1	1	26	1	0	27	0	49	28	0	48	29
1	0	0	34	21	0	34	21	0	34	22	0	34	23	0	33	24	0	32	24	0	32	24
Meridies		0	0	18	0	0	18	0	0	19	0	0	20	0	0	21	0	0	22	0	0	22

Orie M
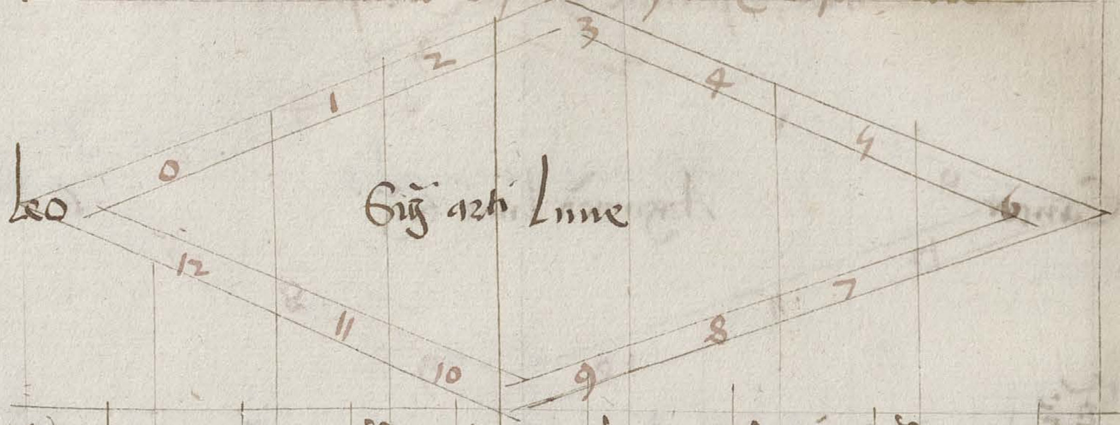
Nonagesimus ab asp[ec]t[u]

Nonagesimus post Meridiem

h	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m
Meridies		0	0	18	0	0	18	0	0	19	0	0	20	0	0	21	0	0	22	0	0	22
1	0	0	34	21	0	34	21	0	34	22	0	34	23	0	33	24	0	32	24	0	32	24
2	0	1	2	24	1	3	24	1	2	24	1	1	26	1	0	27	0	49	28	0	48	29
3	0	1	14	27	1	16	27	1	14	28	1	14	29	1	13	30	1	12	31	1	1	32
4	0	1	18	30	1	19	31	1	18	32	1	18	33	1	16	34	1	14	34	1	14	36
5	0	1	20	39	1	20	34	1	19	36	1	19	37	1	17	38	1	16	39	1	14	40
6	0	1	16	37	1	17	38	1	17	39	1	16	40	1	14	42	1	19	43	1	13	44
7	0	1	9	40	1	10	41	1	9	42	1	9	43	1	8	44	1	7	46	1	6	47
7	48																					

Ab Oc

Tabula distancie nonagesimi [illegible]



Distantia nonagesimi a meridie		Tempus Lune		Diversitas	Tempus Lune		Diversitas	Tempus Lune		Diversitas	Tempus Lune		Diversitas	Tempus Lune		Diversitas	Tempus Lune		Diversitas	Tempus Lune		Diversitas
h	m	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M
7	28																					
7	0	1	26	32	1	27	33	1	26	34	1	24	36	1	24	38	1	23	39	1	22	40
6	0	1	33	30	1	34	30	1	33	31	1	32	33	1	30	34	1	29	36	1	28	36
5	0	1	34	27	1	36	29	1	34	28	1	34	30	1	32	31	1	31	32	1	30	32
4	0	1	32	24	1	33	24	1	32	24	1	30	26	1	28	27	1	27	28	1	26	28
3	0	1	26	21	1	28	21	1	27	22	1	26	23	1	24	24	1	23	24	1	22	24
2	0	1	12	19	1	12	19	1	11	20	1	10	21	1	8	22	1	6	23	1	6	24
1	0	0	46	18	0	42	18	0	44	19	0	44	20	0	43	21	1	42	22	0	41	22
Meridies		0	17	21	0	17	21	0	16	22	0	16	22	0	16	23	1	14	24	0	14	24
0	30	0	0	22	0	0	22	0	0	23	0	0	24	0	0	24	0	0	26	0	0	26
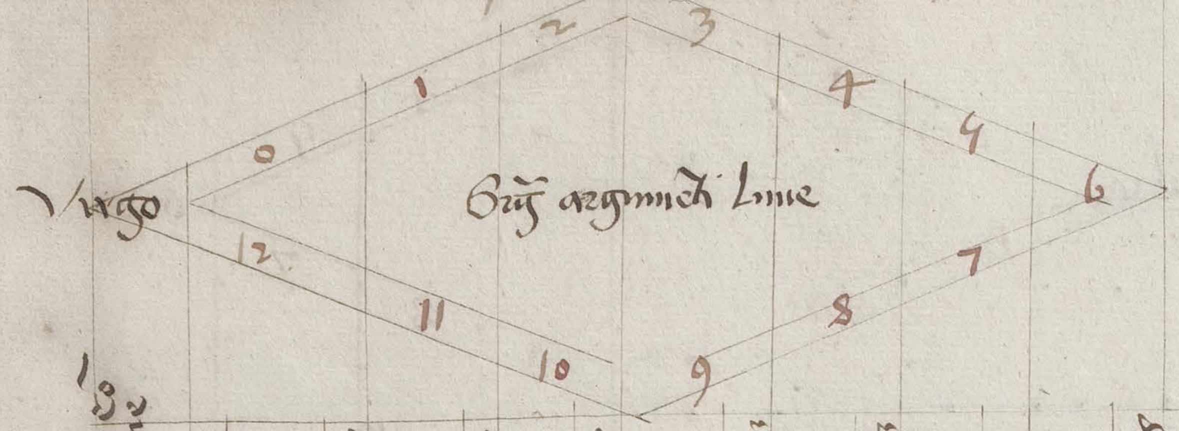
Ante meridiem

Post meridiem

Nonagesimus est ab ascende

h	m	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M
0	30	0	0	22	0	0	22	0	0	23	0	0	24	0	0	24	0	0	26	0	0	26
1	0	0	13	24	0	13	24	0	13	24	0	13	26	0	13	27	0	12	28	0	12	29
2	0	0	39	29	0	39	29	0	39	30	0	38	31	0	37	31	0	36	32	0	36	34
3	0	0	44	34	0	44	34	0	44	36	0	43	37	0	42	38	0	41	39	0	41	40
4	0	0	49	37	0	49	38	0	49	39	0	48	41	0	47	42	0	46	43	0	46	44
5	0	1	1	40	1	2	41	1	1	42	1	1	44	1	0	46	0	49	47	0	49	48
6	0	0	47	44	0	48	44	0	47	46	0	47	48	0	46	40	0	44	41	0	44	42
7	0	0	40	47	0	40	48	0	40	49	0	40	41	0	49	43	0	49	44	0	48	44
7	48																					

Tabula distancie Commune [?] a vera

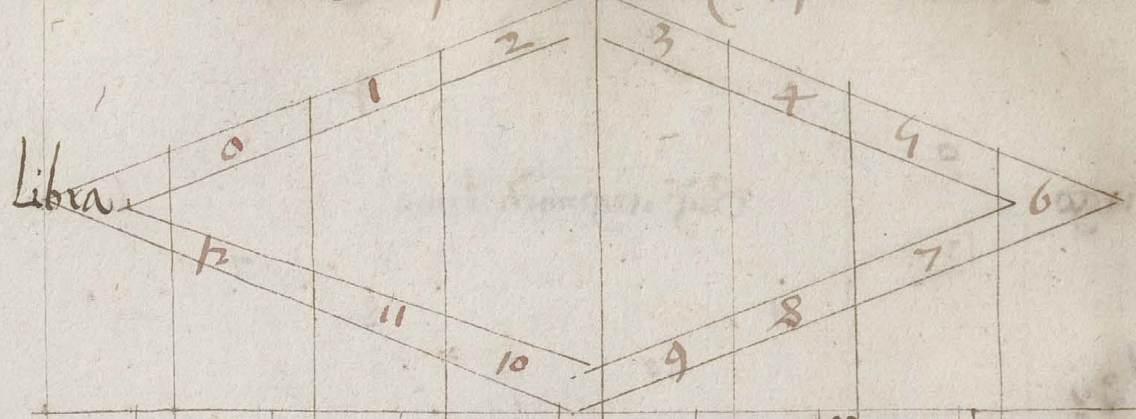


distancia vere a meridie		tempus			tempus			tempus			tempus			tempus			tempus			tempus		
h	M	h	M	M	h	M	M	h	M	M	h	M	M	h	M	M	h	M	M	h	M	M
6	48																					
6	0	1	41	24	1	41	24	1	41	24	1	41	26	1	38	27	1	36	28	1	32	28
5	0	1	44	22	1	44	22	1	44	23	1	43	24	1	41	24	1	40	26	1	39	26
4	0	1	41	20	1	42	20	1	41	21	1	40	22	1	38	23	1	37	24	1	36	24
3	0	1	39	19	1	39	19	1	39	20	1	38	21	1	36	22	1	34	23	1	32	27
2	0	1	24	19	1	29	19	1	29	20	1	23	21	1	21	22	1	19	23	1	18	23
1	0	1	0 ~~33~~	20	1	49	20	0	49	21	0	48	22	0	47	23	0	49	24	0	44	24
Meridies		0	33	24	0	33	24	0	33	24	0	23	26	0	32	27	0	31	28	0	30	29
1	0	0	0	29	0	0	29	0	0	31	0	0	32	0	0	33	0	0	34	0	0	34
1	11	0	0	30	0	0	31	0	0	32	0	0	33	0	0	34	0	0	34	0	0	36

Nonagesimus ḡ ab astpe

h	M	h	M	M	h	M	M	h	M	M	h	M	M	h	M	M	h	M	M	h	M	M
1	11	0	0	30	0	0	31	0	0	32	0	0	33	0	0	34	0	0	34	0	0	36
2	0	0	24	34	0	24	34	0	24	37	0	24	38	0	24	40	0	24	41	0	23	42
3	0	0	48	41	0	48	42	0	48	43	0	48	43	0	46	44	0	44	46	0	49	46
4	0	1	2	44	1	2	44	1	2	46	1	2	48	1	1	40	1	0	42	0	49	43
5	0	1	0	47	1	0	48	0	49	40	0	48	42	0	47	44	0	44	44	0	44	46
6	0	0	42	48	0	42	49	0	42	41	0	41	43	0	40	44	0	49	47	0	49	48
6	48																					

Tabula distantie coniunctionis visibilis a vera



		Tempus		Distantia	Tempus		Distantia	Tempus		Distantia	Tempus		Distantia	Tempus		Distantia	Tempus		Distantia	Tempus		Distantia
	M	h	M	M	h	M	M	h	M	M	h	M	M	h	M	M	h	M	M	h	M	M
6	0																					
5	0	1	40	17	1	40	17	1	44	18	1	48	19	1	46	20	1	44	21	1	42	21
4	0	1	42	18	1	44	18	1	44	19	1	44	20	1	42	21	1	40	22	1	39	22
3	0	1	48	19	1	48	19	1	47	20	1	46	21	1	44	22	1	42	23	1	40	23
2	0	1	32	21	1	32	21	1	31	22	1	30	23	1	28	24	1	27	24	1	26	26
1	0	1	13	24	1	13	24	1	13	26	1	12	27	1	10	28	1	8	29	1	6	30
Meridies		0	44	30	0	44	30	0	44	31	0	44	33	0	43	34	0	42	34	0	41	36
1	0	0	20	34	0	22	36	0	20	37	0	19	39	0	19	40	0	18	41	0	18	42
1	46	0	0	39	0	0	40	0	0	40	0	0	42	0	0	44	0	0	46	0	0	47

Ante meridiem

Nonagesimus ab ascendente

1	46	0	0	39	0	0	40	0	0	40	0	0	42	0	0	44	0	0	46	0	0	47
2	0	0	6	40	0	6	41	0	6	42	0	6	44	0	6	46	0	4	47	0	4	48
3	0	0	29	44	0	24	44	0	24	46	0	24	48	0	23	40	0	23	42	0	22	43
4	0	0	36	46	0	36	47	0	36	49	0	34	41	0	34	42	0	39	44	0	34	44
5	0	0	43	47	0	43	48	0	43	49	0	42	41	0	42	42	0	41	44	0	40	46
6	0																					

Post meridiem

Tabula distantie Coniunctionis visibilis a vera

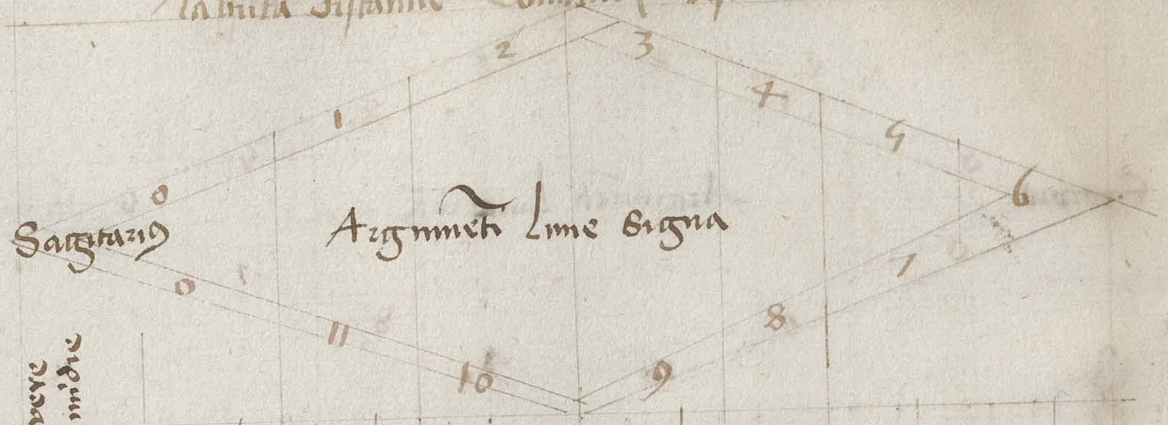


	Distantia vere gradus a meridie		Tempus		Distantia latitudinis	Tempus		Distantia latitudinis	Tempus		Distantia latitudinis	Tempus		Distantia latitudinis	Tempus		Distantia latitudinis	Tempus		Distantia latitudinis	Tempus		Distantia latitudinis
	H	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M
	4	42																					
Ante meridiem	4	0	1	42	22	1	42	22	1	42	23	1	42	24	1	39	24	1	37	26	1	34	26
	4	0	1	47	22	1	48	22	1	47	23	1	46	24	1	43	24	1	40	26	1	38	26
	3	0	1	43	23	1	44	23	1	43	24	1	42	24	1	40	26	1	38	27	1	37	38
	2	0	1	31	27	1	32	27	1	31	28	1	29	29	1	27	31	1	26	32	1	24	32
	1	0	1	16	30	1	16	31	1	14	32	1	14	34	1	12	34	1	11	36	1	10	37
	Meridies		0	40	36	0	41	37	0	40	38	0	49	40	0	48	41	0	47	42	0	46	43
Post meridiem	1	0	0	20	42	0	20	43	0	20	44	0	20	46	0	18	48	0	16	40	0	14	41
	1	44	0	0	44	0	0	46	0	0	47	0	0	49	0	0	41	0	0	41	0	0	43

Nonagesimus ab ascendente

	H	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M
[illegible]	1	44	0	0	44	0	0	46	0	0	47	0	0	49	0	0	41	0	0	41	0	0	43
	2	0	0	6	44	0	26	46	0	6	47	0	6	49	0	6	41	0	4	43	0	4	44
	3	0	0	26	47	0	39	48	0	26	40	0	29	42	0	33	44	0	21	46	0	20	47
	4	0	0	39	47	0	39	48	0	38	40	0	38	42	0	36	44	0	34	46	0	32	47
	4	0	0	44	47	0	44	48	0	44	40		43	42	0	41	44	0	39	44	0	38	46
	4	44																					

Tabula distantie Commune visibilis a vera



distantia vere diurnis a meridie		Tempus		Latitudo / Diversitas	Tempus		Latitudo / Diversitas	Tempus		Latitudo / Diversitas	Tempus		Latitudo / Diversitas	Tempus		Latitudo / Diversitas	Tempus		Latitudo / Diversitas	Tempus		Latitudo / Diversitas
H	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M
Ante meridiem 4	32																					
4	0	1	37	26	1	38	27	1	37	38	1	34	29	1	33	31	1	31	32	1	30	32
3	0	1	33	30	1	33	31	1	32	32	1	31	33	1	29	34	1	27	34	1	26	36
2	0	1	21	34	1	21	36	1	21	37	1	20	39	1	18	40	1	16	41	1	14	42
1		1	0	39	1	0	40	0	49	41	0	48	43	0	47	44	0	46	46	0	49	47
Meridies		0	32	42	0	32	44	0	31	46	0	30	48	0	30	40	0	29	41	0	29	42
Post meridiem 1	0	0	3	46	0	3	47	0	3	49	0	3	41	0	3	43	0	3	44	0	3	44
1	4	0	0	46	0	0	47	0	0	49	0	0	41	0	0	43	0	0	44	0	0	44

Nonagesimus g. ab ascendente

1	0	0	0	46	0	0	47	0	0	49	0	0	41	0	0	43	0	0	44	0	0	44
2	0	0	30	47	0	29	48	0	28	40	0	27	42	0	26	44	0	24	44	0	24	46
3	0	0	46	46	0	44	47	0	44	49	0	44	41	0	43	43	0	42	44	0	42	44
4	0	0	47	44	0	46	46	0	46	47	0	44	49	0	43	41	0	41	42	0	40	44
4	32	0																				

Tabula distantie visibilis Lune a vera



Ante meridiem | Minue

Distantia vere ... tionis a medie			Tempus		Latitudo Diversitas	Tempus		Latitudo Diversitas	Tempus		Latitudo Diversitas	Tempus		Latitudo Diversitas	Tempus		Latitudo Diversitas	Tempus		Latitudo Diversitas	Tempus		Latitudo Diversitas
H	M				M			M			M			M			M			M			M
4	14																						
4	0	1	1	21	34	1	21	35	1	20	36	1	19	38	1	18	40	1	17	42	1	16	43
3	0	1	1	12	38	1	12	39	1	12	40	1	11	42	1	9	44	1	18	46	1	7	47
2	0	0	0	41	42	0	41	44	0	41	44	0	40	47	0	49	49	0	48	41	0	48	42
1	0	0	0	32	46	0	32	47	0	32	49	0	31	41	0	30	53	0	29	44	0	29	46
0	0	0	0	0	48	0	0	49	0	0	41	0	0	43	0	0	55	0	0	47	0	0	48
Meridies																							

Nonagesimus gradus ab ascendente

Post meridiem | Adde

Meridies			0	0	48	0	0	49	0	0	41	0	0	43	0	0	44	0	0	47	0	0	48
1	0	0	0	32	46	0	32	47	0	32	49	0	31	41	0	30	43	0	29	44	0	29	46
2	0		0	37	43	0	42	44	0	41	44	0	40	47	0	49	49	0	48	41	0	48	42
3	0		1	12	38	1	12	39	1	12	40	1	11	42	1	9	44	1	8	46	1	7	47
4	0		1	21	34	1	21	34	1	20	36	1	19	38	1	18	40	1	17	42	1	16	43
5	14		1	21		1	21																

Tabula distantie visibilis Communis a vera

Argum. — Argumentum Lune Signa: 0 0 · 1 11 · 2 10 · 3 9 · 4 8 · 5 7 · 6

Distantia Commun. a Meridie		Tempus	Distantia	Latitudo	Tempus	Distantia	Latitudo	Tempus	Distantia	Latitudo	Tempus	Distantia	Latitudo	Tempus	Distantia	Latitudo	Tempus	Distantia	Latitudo	Tempus	Distantia	Latitudo
h	m	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M
4	32	0	[illegible]																			
4	0	0	44	44	0	46	46	0	46	47	0	44	49	0	43	51	0	41	53	0	50	54
3	0	0	46	46	0	44	47	0	44	49	0	44	41	0	43	53	0	42	54	0	42	55
2	0	0	30	47	0	29	48	0	28	40	0	27	42	0	26	54	0	25	55	0	25	46
1	4	0	0	46	0	0	47	0	0	49	0	0	41	0	0	43	0	0	54	0	0	55

Ante Meridiem

Nonagesimus ab Ascendente

Distantia			Tempus	Distantia	Latitudo	Tempus	Distantia	Latitudo	Tempus	Distantia	Latitudo	Tempus	Distantia	Latitudo	Tempus	Distantia	Latitudo	Tempus	Distantia	Latitudo	Tempus	Distantia	Latitudo
1	4	0	0	0	46	0	0	47	0	0	49	0	0	51	0	0	53	0	0	54	0	0	55
1	0	6	0	3	46	0	3	47	0	3	49	0	3	51	0	3	53	0	3	54	0	3	55
Meridies			0	32	43	0	32	44	0	31	46	0	30	48	0	30	50	0	29	41	0	29	52
1	0		1	0	39	1	0	40	0	49	41	0	48	43	0	57	45	0	56	46	0	55	47
2	0		1	21	34	1	21	36	1	21	37	1	20	39	1	18	40	1	16	41	1	15	42
3	0		1	33	30	1	33	31	1	32	32	1	31	33	1	29	34	1	27	34	1	26	36
4	0		1	37	26	1	38	27	1	37	28	1	34	29	1	33	31	1	31	32	1	30	32
4	32																						

Post Meridiem

Tabula distantie coniunctionis visibilis a vera



Distantia vere coniunctionis a meridie		tempus		distantia latitudinis	tempus		distantia latitudinis	tempus		distantia latitudinis	tempus		distantia latitudinis	tempus		distantia latitudinis	tempus		distantia latitudinis	tempus		distantia latitudinis
H	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M
4	12	0	44																			
5	0	0	45	47	0	45	48	0	45	44	0	43	42	0	41	54	0	39	56	0	38	56
4	0	0	[illegible]	47	0	39	48	0	38	40	0	38	42	0	36	54	0	34	56	0	32	47
3	0	0	26	47	0	26	48	0	25	40	0	24	42	0	23	44	0	21	56	0	20	47
2	0	0	6	45	0	6	46	0	6	47	0	6	49	0	6	41	0	5	43	0	4	44
1	45	0	0	44	0	0	46	0	0	47	0	0	49	0	0	41	0	0	42	0	0	43

Ante Meridiem

Nonagesimus gradus ab ascendente

H	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M
1	45	0	0	44	0	0	46	0	0	47	0	0	49	0	0	41	0	0	42	0	0	43
1	0	0	20	42	0	20	43	0	20	44	0	20	46	0	18	48	0	16	40	0	15	41
Meridies			40	36	0	41	37	0	40	38	0	44	40	0	48	41	0	47	40	0	46	43
1	0	1	16	30	1	16	31	1	15	32	1	14	34	1	12	35	1	11	36	1	10	37
2	0	1	31	27	1	32	27	1	31	28	1	29	29	1	27	31	1	26	32	1	25	32
3	0	1	43	23	1	44	23	1	43	24	1	42	35	1	40	26	1	38	27	1	37	28
4	0	1	47	22	1	48	22	1	47	23	1	46	24	1	43	25	1	40	26	1	38	26
5	0	1	42	22	1	42	23	1	42	23	1	41	24	1	39	25	1	37	26	1	34	26
5	12																					

Post meridiem

Tabula distantie Coniunctionis visibilis a vera



distantia vere coniunctionis a meridie H	M	tempus H	M	diversitas latitudinis M	tempus H	M	diversitas latitudinis M	tempus H	M	diversitas latitudinis M	tempus H	M	diversitas latitudinis M	tempus H	M	diversitas latitudinis M	tempus H	M	diversitas latitudinis M	tempus H	M	diversitas latitudinis M
6	0																					
6	0	0	35	48	0	34	49	0	34	41	0	34	43	0	34	44	0	33	47	0	33	48
5	0	0	34	48	0	34	44	0	33	41	0	33	43	0	32	44	0	31	47	0	31	48
4	0	0	27	46	0	27	47	0	27	49	0	26	41	0	26	43	0	24	44	0	24	46
3	0	0	16	43	0	16	43	0	16	44	0	16	47	0	14	49	0	14	40	0	14	41
2	0	0	0	38	0	0	39	0	0	40	0	0	42	0	0	44	0	0	44	0	0	46

Nonagesimus gradus ab ascendente

H	M	tempus H	M	diversitas latitudinis M	tempus H	M	diversitas latitudinis M	tempus H	M	diversitas latitudinis M	tempus H	M	diversitas latitudinis M	tempus H	M	diversitas latitudinis M	tempus H	M	diversitas latitudinis M	tempus H	M	diversitas latitudinis M
2	0	0	0	38	0	0	39	0	0	40	0	0	42	0	0	44	0	0	44	0	0	46
1	0	0	22	34	0	22	34	0	22	36	0	21	37	0	21	38	0	20	39	0	20	40
Meridies		0	47	29	0	47	29	0	47	30	0	46	31	0	44	32	0	44	33	0	43	34
1	0	1	12	26	1	12	26	1	11	27	1	10	28	1	8	29	1	7	30	1	6	31
2	0	1	28	24	1	29	24	1	28	25	1	27	26	1	24	27	1	23	28	1	22	29
3	0	1	41	22	1	41	22	1	40	23	1	39	24	1	37	25	1	34	26	1	33	27
4	0	1	45	21	1	45	21	1	44	22	1	43	23	1	41	24	1	39	25	1	37	26
5	0	1	44	20	1	44	20	1	43	21	1	42	22	1	40	23	1	38	24	1	37	25
6	0																					

Ante Meridiem — Post meridiem

Ante Meridiem — Post

[illegible] 49 ho. dici 16

Septima Tabula pro Eclipsi Solari



Distantia coniunctionis a vera meridie H	M	Differ. H	M	Latitud. M	Differ. H	M	Latitud. M	Differ. H	M	Latitud. M	Differ. H	M	Latitud. M	Differ. H	M	Latitud. M	Differ. H	M	Latitud. M	Differ. H	M	Latitud. M
6	44	0	34	44	0	35	40	0	35	41	0	34	43	0	34	44	0	33	47	0	33	48
6	0	0	38	48	0	38	49	0	38	40	0	37	43	0	37	44	0	36	56	0	36	47
5	0	0	40	46	0	40	47	0	40	48	0	39	42	0	38	42	0	37	44	0	37	44
4	0	0	37	44	0	37	49	0	37	46	0	37	48	0	36	40	0	35	42	0	35	43
3	0	0	28	42	0	28	43	0	28	44	0	28	46	0	27	48	0	27	49	0	24	40
2	0	0	14	37	0	14	38	0	14	39	0	14	41	0	13	42	0	13	43	0	13	44
1	23	0	0	33	0	0	34	0	0	34	0	0	36	0	0	38	0	0	39	0	0	40

Nonagesimus gradus ab ascendente

H	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M
1	23	0	0	33	0	0	34	0	0	34	0	0	36	0	0	38	0	0	39	0	0	40
1	0	0	9	33	0	9	33	0	9	34	0	9	34	0	8	36	0	8	37	0	8	38
Meridies		0	34	27	0	34	27	0	34	28	0	39	30	0	33	31	0	32	32	0	31	33
1	0	0	49	24	1	0	24	0	49	24	0	48	26	0	47	27	0	46	28	0	45	29
2	0	1	24	22	1	26	22	1	24	23	1	22	24	1	20	24	1	19	26	1	18	26
3	0	1	34	22	1	34	22	1	34	23	1	33	24	1	31	24	1	29	26	1	28	26
4	0	1	40	23	1	40	23	1	38	24	1	36	24	1	35	25	1	34	26	1	33	27
5	0	1	43	24	1	43	24	1	42	24	1	41	24	1	39	26	1	38	27	1	37	28
6	0	1	40	24	1	40	24	1	39	26	1	38	26	1	36	27	1	34	28	1	34	29
6	44																					

Ante Meridiem — Post Meridiem

Tabula distantie Coniunctionis visibilis a vera



Distantia Coniunctionis vere a meridie		Tempus		Latitudo / Diversitas	Tempus		Latitudo / Diversitas	Tempus		Latitudo / Diversitas	Tempus		Latitudo / Diversitas	Tempus		Latitudo / Diversitas	Tempus		Latitudo / Diversitas	Tempus		Latitudo / Diversitas
h	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m
7	0																					
7	0	0	46	46	0	47	47	0	46	49	0	44	41	0	44	43	0	43	44	0	43	44
6	0	0	41	44	0	42	46	0	42	47	0	41	49	0	40	41	0	44	42	0	44	43
5	0	0	45	42	0	46	43	0	46	44	0	44	46	0	44	48	0	43	44	0	42	40
4	0	0	44	39	0	44	40	0	44	41	0	49	43	0	43	44	0	42	46	0	41	47
3	0	0	46	34	0	47	36	0	46	37	0	45	38	0	44	39	0	43	40	0	43	41
2	0	0	33	31	0	33	32	0	32	32	0	32	33	0	31	34	0	30	34	0	30	35
1	0	0	9	26	0	9	27	0	9	28	0	9	29	0	9	30	0	8	31	0	8	31
0	36	0	0	24	0	0	24	0	0	26	0	0	27	0	0	28	0	0	29	0	0	30

Ante Meridiem

Ante Meridiem

Nonagesimus gradus ab Ascendente

		h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m
0	36	0	0	24	0	0	24	0	0	26	0	0	27	0	0	28	0	0	29	0	0	30
Meridies		0	16	23	0	16	23	0	16	24	0	16	24	0	14	26	0	14	27	0	14	27
1	0	0	44	22	0	44	22	0	43	23	0	42	24	0	41	24	0	40	26	0	40	26
2	0	1	9	23	1	9	23	1	8	24	1	7	24	1	4	26	1	4	27	1	3	28
3	0	1	21	24	1	22	24	1	21	24	1	20	26	1	18	27	1	17	28	1	16	29
4	0	1	30	27	1	31	27	1	30	28	1	29	29	1	27	31	1	26	32	1	24	32
5	0	1	29	30	1	30	30	1	29	31	1	28	33	1	26	34	1	24	34	1	24	34
6	0	1	28	33	1	29	33	1	28	34	1	27	34	1	24	37	1	24	38	1	23	39
7	0	1	24	33	1	24	37	1	24	34	1	23	36	1	21	38	1	20	39	1	19	40
7	40																					

Post meridiem

Post Meridiem

Tabula distantie communis visibilis a vera



Distantia communis meridie			Tempus		Latitudo diversitas	Tempus		Latitudo diversitas	Tempus		Latitudo diversitas	Tempus		Latitudo diversitas	Tempus		Latitudo diversitas	Tempus		Latitudo diversitas	Tempus		Latitudo diversitas
H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M
8	0																						
7	0		1	4	42	1	6	43	1	6	44	1	4	46	1	4	48	1	3	40	1	2	40
6	0		1	12	39	1	13	40	1	12	41	1	13	43	1	11	44	1	9	44	1	8	46
5	0		1	16	36	1	17	37	1	16	38	1	14	39	1	14	41	1	12	42	1	11	43
4	0		1	12	32	1	13	33	1	12	34	1	11	34	1	9	36	1	8	37	1	7	38
3	0		1	4	28	1	4	29	1	4	30	1	4	31	1	3	32	1	1	31	1	0	34
2	0		0	40	24	0	41	26	0	40	26	0	49	27	0	28	28	0	47	29	0	47	29
1	0		0	28	23	0	28	23	0	28	24	0	28	24	0	27	26	0	26	27	0	26	27
Meridies			0	0	21	0	0	21	0	0	22	0	0	23	0	0	24	0	0	25	0	0	24

Ante meridiem

Nonagesimus gradus ab ascendente

Distantia communis meridie			Tempus		Latitudo diversitas	Tempus		Latitudo diversitas	Tempus		Latitudo diversitas	Tempus		Latitudo diversitas	Tempus		Latitudo diversitas	Tempus		Latitudo diversitas	Tempus		Latitudo diversitas
Meridies			0	0	21	0	0	21	0	0	22	0	0	23	0	0	24	0	0	24	0	0	24
1	0		0	28	23	0	28	23	0	28	24	0	28	24	0	27	26	0	26	27	0	26	27
2	0		0	40	24	0	41	26	0	40	26	0	49	27	0	48	28	0	47	29	0	47	29
3	0		1	4	28	1	4	29	1	4	30	1	4	31	1	3	32	1	1	33	1	0	34
4	0		1	12	32	1	13	33	1	12	34	1	11	34	1	9	36	1	8	37	1	7	38
5	0		1	16	36	1	17	37	1	16	38	1	14	39	1	14	41	1	12	42	1	11	43
6	0		1	12	39	1	13	40	1	12	41	1	13	43	1	11	44	1	9	44	1	8	46
7	0		1	4	42	1	6	43	1	6	44	1	4	46	1	4	48	1	3	40	1	2	40
8	0																						

Post meridiem

Tabula distantie Comunis visibilis a vera
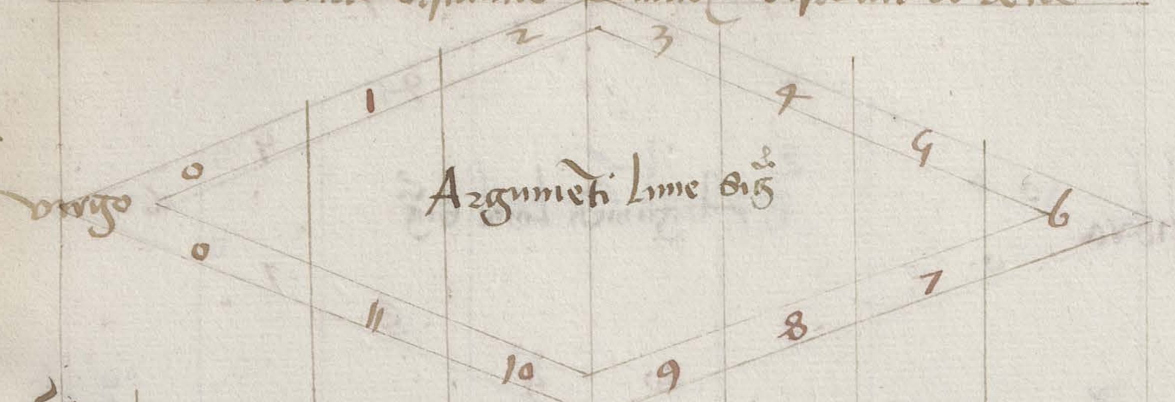


Distantia vere ... a medio H	M	Tempus diversitatis H	M	Latitudo M	Tempus diversitatis H	M	Latitudo M	Tempus diversitatis H	M	Latitudo M	Tempus diversitatis H	M	Latitudo M	Tempus diversitatis H	M	Latitudo M	Tempus diversitatis H	M	Latitudo M	Tempus diversitatis H	M	Latitudo M
7	40																					
7	0	1	24	33	1	24	34	1	24	34	1	23	36	1	21	38	1	20	39	1	19	40
6	0	1	28	33	1	29	33	1	28	34	1	27	34	1	24	37	1	29	38	1	23	39
5	0	1	29	30	1	30	30	1	29	31	1	28	33	1	26	34	1	24	34	1	24	34
4	0	1	30	27	1	31	27	1	30	28	1	29	29	1	27	31	1	26	32	1	24	32
3	0	1	21	24	1	22	24	1	21	25	1	20	26	1	18	27	1	17	28	1	16	29
2	0	1	9	23	1	9	23	1	8	24	1	7	24	1	5	26	1	4	27	1	3	28
1	36	0	44	22	0	44	22	0	43	23	0	42	24	0	41	25	0	40	26	0	40	26
Meridies		0	16	23	0	16	23	0	16	24	0	16	24	0	14	26	0	19	27	0	19	27
0	36	0	0	24	0	0	25	0	0	26	0	0	27	0	0	28	0	0	29	0	0	30

Nonagesimus gradus ab ascendente

H	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M
0	36	0	0	24	0	0	25	0	0	26	0	0	27	0	0	28	0	0	29	0	0	30
1	0	0	9	26	0	9	27	0	9	28	0	9	29	0	9	30	0	8	31	0	8	31
2	0	0	33	31	0	33	32	0	32	32	0	32	33	0	31	34	0	30	34	0	30	34
3	0	0	46	34	0	47	36	0	46	37	0	44	38	0	44	39	0	43	40	0	43	41
4	0	0	44	39	0	44	40	0	44	41	0	44	43	0	43	44	0	42	46	0	41	47
5	0	0	44	42	0	46	43	0	46	44	0	44	46	0	44	48	0	43	49	0	42	40
6	0	0	41	44	0	42	46	0	42	47	0	41	49	0	40	41	0	49	42	0	49	43
7	0	0	46	46	0	47	47	0	46	49	0	44	41	0	44	43	0	43	44	0	43	44
7	40																					

Tabula distantie [illegible] visibilis a vera



	h	m		h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m
Ante meridiem	6	44																						
	6	0		1	40	24	1	40	24	1	39	26	1	38	26	1	36	27	1	34	28	1	34	29
	5	0		1	43	24	1	43	24	1	43	24	1	41	24	1	39	26	1	38	27	1	37	28
	4	0		1	40	23	1	40	23	1	38	24	1	36	24	1	34	25	1	34	26	1	33	27
	3	0		1	34	22	1	34	22	1	34	23	1	33	24	1	31	25	1	29	26	1	28	26
	2	0		1	24	22	1	26	22	1	24	23	1	22	24	1	20	25	1	19	26	1	18	26
	1	0		0	49	24	1	0	24	0	49	24	0	48	36	0	47	27	0	46	28	0	44	29
Meridies		0		0	34	27	0	34	27	0	34	28	0	34	30	0	33	31	0	32	32	0	31	33
Post meridiem	1	0		0	9	32	0	9	33	0	9	34	0	9	34	0	8	36	0	8	37	0	8	38
	1	23		0	0	33	0	0	34	0	0	34	0	0	36	0	0	38	0	0	39	0	0	40

Minue

Nonagesimus gradus ab ascendente

	h	m		h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m
Post meridiem	1	23		0	0	33	0	0	34	0	0	34	0	0	36	0	0	38	0	0	39	0	0	40
	2	0		0	14	37	0	14	38	0	14	39	0	14	41	0	13	42	0	13	43	0	13	44
	3	0		0	28	42	0	28	43	0	28	44	0	28	46	0	27	48	0	27	49	0	27	40
	4	0		0	37	44	0	37	44	0	37	46	0	37	48	0	36	40	0	34	43	0	34	43
	5	0		0	40	46	0	40	47	0	40	48	0	39	42	0	38	42	0	37	44	0	37	44
	6	0		0	38	48	0	38	49	0	38	40	0	37	43	0	37	44	0	36	46	0	36	47
	6	44		0	34	49	0	34	40	0	34	41	0	34	43	0	34	44	0	33	47	0	33	48

Adde

Tabula distantie [illegible] visibilis a vera



Distantia vere coniunctionis a meridie		tempus		latitudinis diversitas	tempus		latitudinis diversitas	tempus		latitudinis diversitas	tempus		latitudinis diversitas	tempus		latitudinis diversitas	tempus		latitudinis diversitas	tempus		latitudinis diversitas
h	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m
6	0	1	42																			
5	0	1	44	20	1	44	20	1	43	21	1	42	22	1	40	23	1	38	24	1	37	25
4	0	1	44	21	1	44	21	1	44	22	1	43	23	1	41	24	1	39	25	1	37	26
3	0	1	41	22	1	41	22	1	40	23	1	39	24	1	37	25	1	35	26	1	33	27
2	0	1	28	24	1	29	24	1	28	25	1	27	26	1	25	27	1	23	28	1	22	29
1	0	1	12	26	1	12	26	1	11	27	1	10	28	1	8	29	1	7	30	1	6	31
Meridies		0	47	29	0	47	29	0	47	30	0	46	31	0	45	32	0	44	33	0	43	34
1	0	0	22	34	0	22	35	0	22	36	0	21	37	0	21	38	0	20	39	0	20	40
2	0	0	0	38	0	0	39	0	0	40	0	0	42	0	0	44	0	0	45	0	0	46

Ante meridiem — Post meridiem — Meridiem

Nonagesimus [illegible] ab ascendente

2	0	0	0	38	0	0	39	0	0	40	0	0	42	0	0	44	0	0	45	0	0	46
3	0	0	16	43	0	16	43	0	16	45	0	16	47	0	14	49	0	15	50	0	15	51
4	0	0	27	46	0	27	47	0	27	49	0	26	51	0	26	53	0	25	55	0	25	56
5	0	0	35	48	0	34	49	0	33	51	0	33	53	0	32	55	0	31	57	0	31	58
6	0	0	35	48	0	35	49	0	35	51	0	35	53	0	35	55	0	33	57	0	33	58

Adde

Tabula distantie Lunaris visualis a vera



Distantia vere Lune a meridie		tempus	diuersitatis	latitudinis	tempus	diuersitatis	latitudinis	tempus	diuersitatis	latitudinis	tempus	diuersitatis	latitudinis	tempus	diuersitatis	latitudinis	tempus	diuersitatis	latitudinis	tempus	diuersitatis	latitudinis
H	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M
5	6																					
5	0																					
4	0	1	44	22	1	46	23	1	45	24	1	43	25	1	41	26	1	39	27	1	38	27
3	0	1	41	26	1	42	27	1	41	28	1	39	29	1	37	30	1	34	31	1	34	31
2	0	1	28	29	1	29	30	1	38	31	1	27	32	1	24	33	1	23	34	1	22	34
1	0	1	12	34	1	13	34	1	12	34	1	11	37	1	9	39	1	8	40	1	7	41
Meridies	6	0	41	38	0	41	39	0	40	40	0	40	42	0	49	44	0	48	44	0	47	46
1	0	0	27	43	0	27	43	0	27	44	0	26	47	0	26	49	0	25	40	0	25	41
2	0	0	0	46	0	0	47	0	0	49	0	0	41	0	0	43	0	0	44	0	0	55
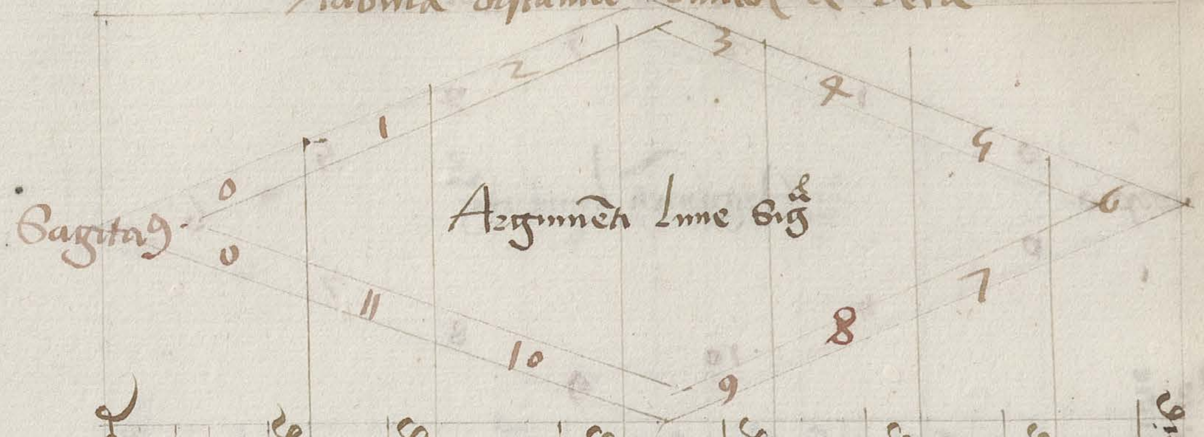
Ante meridiem · Post meridiem · .24.

Nonagesimus gradus ab ascendente

H	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M
2	0	0	0	46	0	0	47	0	0	49	0	0	41	0	0	43	0	0	44	0	0	55
3	0	0	20	47	0	20	48	0	20	40	0	20	42	0	19	44	0	18	46	0	18	47
4	0	0	34	48	0	34	49	0	34	41	0	33	43	0	33	55	0	32	47	0	32	48
5	0	0	39	48	0	39	49	0	39	41	0	39	43	0	38	44	0	37	47	c	37	48
5	0																					

Ante · Post

Tabula distantie Comunis a vera



Distantia Comunis vere a meridie h	m	tempus h	m	latitudo diuis m	h	m	latitudo diuis m	h	tempus m	latitudo diuis m	h	tempus m	latitudo diuis m	h	tempus m	latitudo diuis m	h	tempus m	latitudo diuis m	h	tempus m	latitudo diuis m
4	20																					
4	0	1	34	[illegible]	1	34	2															
3	0	1	26	37	1	26	34	1	24	35	1	24	36	1	22	38	1	21	39	1	20	40
2	0	1	18	31	1	19	38	1	18	39	1	16	40	1	14	42	1	13	43	1	12	44
1	0	0	47	41	0	48	42	0	47	43	0	46	44	0	44	47	0	44	48	0	43	49
Meridies			33	45	0	33	46	0	33	48	0	32	40	0	32	42	0	31	44	0	31	44
1	0	0	6	48	0	6	49	0	6	41	0	4	43	0	4	44	0	4	47	0	4	48
1	12	0	0	48	0	0	49	0	0	41	0	0	43	0	0	44	0	0	47	0	0	48

Ante meridiem

Meridiem Post

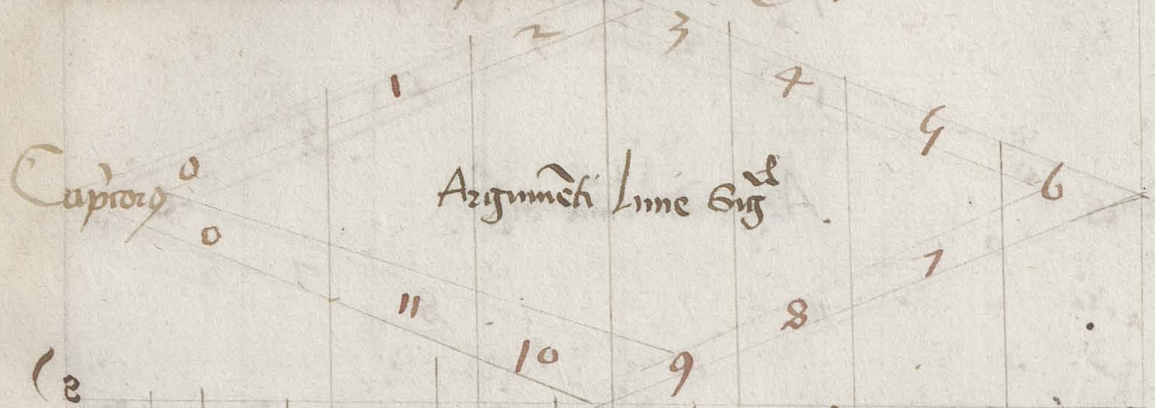
Nonagesimus gradus ab ascendente

h	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m	h	m	m
1	12	0	0	48	0	0	49	0	0	41	0	0	43	0	0	44	0	0	47	0	0	48
2	0	0	19	49	0	19	40	0	19	42	0	18	44	0	18	46	0	17	47	0	17	48
3	0	0	40	47	0	41	48	0	40	40	0	39	42	0	38	44	0	37	46	0	37	47
4	0	0	40	45	0	40	46	0	49	48	0	48	40	0	47	42	0	46	43	0	46	44
4	20																					

Minue

Adde

Tabula distantie Eclipsis visibilis a vera

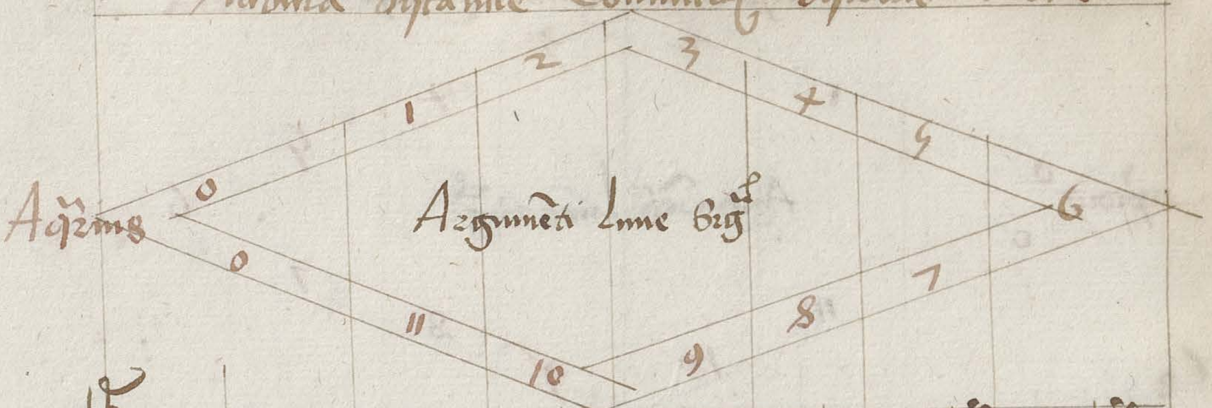


Distantie vere a meridie h	m	Tempus h	m	M	Tempus h	m	M	Tempus h	m	M	Tempus h	m	M	Tempus h	m	M	Tempus h	m	M	Tempus h	m	M
Ante meridie 4	0																					
3	0	1	9	42	1	9	43	1	8	44	1	7	46	1	4	48	1	4	49	1	3	40
2	0	0	41	45	0	41	46	0	40	48	0	49	40	0	48	41	0	47	42	0	47	43
1	0	0	28	47	0	28	48	0	28	40	0	28	42	0	27	44	0	26	46	0	26	47
Meridies		0	0	49	0	0	40	0	0	42	0	0	44	0	0	46	0	0	48	0	0	49

Nonagesimus gradus ab ortu

		h	m	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M	h	m	M
Meridies		0	0	49	0	0	40	0	0	42	0	0	44	0	0	46	0	0	48	0	0	49
Post meridie 1	0	0	28	47	0	28	48	0	28	40	0	28	42	0	27	44	0	26	46	0	26	47
2	0	0	41	44	0	41	46	0	40	48	0	49	40	0	48	41	0	47	42	0	47	43
3	0	1	9	42	1	9	43	1	8	44	1	7	46	1	4	48	1	4	49	1	3	40
4	0																					

Tabula distantie Coniunctionis visibilis a vera



Distantia Coniunctionis vere a meridie

Ante meridiem

H	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M
		tempus		latitudo	tempus		latitudo	tempus		latitudo	tempus		latitudo	tempus		latitudo	tempus		latitudo	tempus		latitudo
4	20																					
4	0	0	40	45	0	40	46	0	49	48	0	48	40	0	47	42	0	46	43	0	46	44
3	0	0	40	47	0	41	48	0	40	40	0	39	42	0	38	44	0	37	46	0	37	47
2	0	0	19	49	0	19	40	0	19	42	0	18	44	0	18	46	0	17	47	0	17	48
1	0	0	0	48	0	0	49	0	0	41	0	0	43	0	0	44	0	0	47	0	0	48

Nonagesimus gradus ab ascendente

H	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M
1	0	0	0	48	0	0	49	0	0	41	0	0	43	0	0	44	0	0	47	0	0	48
1	0	0	6	48	0	6	49	0	6	41	0	4	43	0	4	44	0	4	47	0	4	48
Meridies		0	33	44	0	33	46	0	33	48	0	32	40	0	32	42	0	31	44	0	31	44
1	0	0	47	41	0	48	42	0	47	43	0	46	45	0	44	47	0	44	48	0	43	49
2	0	1	18	34	1	19	37	1	18	39	1	16	40	1	14	42	1	13	43	1	12	44
3	0	1	26	33	1	26	34	1	2	35	1	24	36	1	22	38	1	21	39	1	20	40
4	0																					
4	20																					

Post Meridiem

Tabula distantie Comunis visibilis a vera



Distantia Lune a Meridie		Tempus		Latitudo / Diuisio	Tempus		Latitudo / Diuisio	Tempus		Latitudo / Diuisio	Tempus		Latitudo / Diuisio	Tempus		Latitudo / Diuisio	Tempus		Latitudo / Diuisio	Tempus		Latitudo / Diuisio
H	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M
4	6	0																				
4	0	0	39	48	0	39	44	0	39	41	0	39	43	0	38	44	0	37	47	0	37	48
4	0	0	34	48	0	34	44	0	34	41	0	33	43	0	33	44	0	32	47	0	32	48
3	0	0	20	47	0	20	48	0	20	40	0	20	42	0	19	49	0	18	46	0	18	4Λ
2	0	0	0	46	0	0	47	0	0	49	0	0	41	0	0	43	0	0	44	0	0	44

Ante meridiem — Minue

Nonagesimus gradus ab ascendente

H	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M	H	M	M
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1	0	0	27	43	0	27	43	0	27	44	0	26	47	0	26	49	0	24	40	0	24	41
Meridies		0	41	38	0	41	39	0	40	40	0	40	42	0	49	44	0	48	44	0	47	46
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4	0																					
4	6																					

Post meridiem — Adde

Tabula Latitudinis Lune in eclypsibus

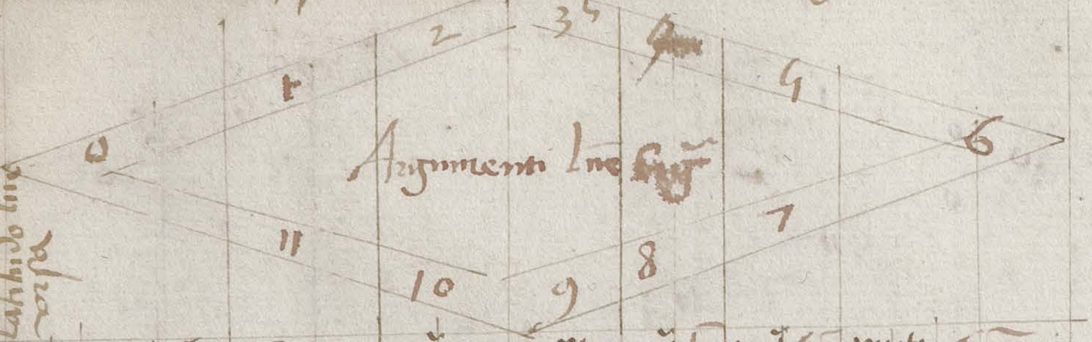
6 o Septem l' 8 6 | 8 o 6 v Septē 8 6 | 8 o Sept' 8 6

Meridional' Latitudo Mil' | Mil' | Mil' bus

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0	30	29	30	0	2	46	7	40	22	20	0	39	49	14	40	14	20	1	14	44
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1	30	28	30	0	7	40	8	40	21	20	0	44	9	15	40	14	20	1	20	46
1	40	28	20	0	8	42	8	40	21	10	0	46	0	15	40	14	10	1	21	46
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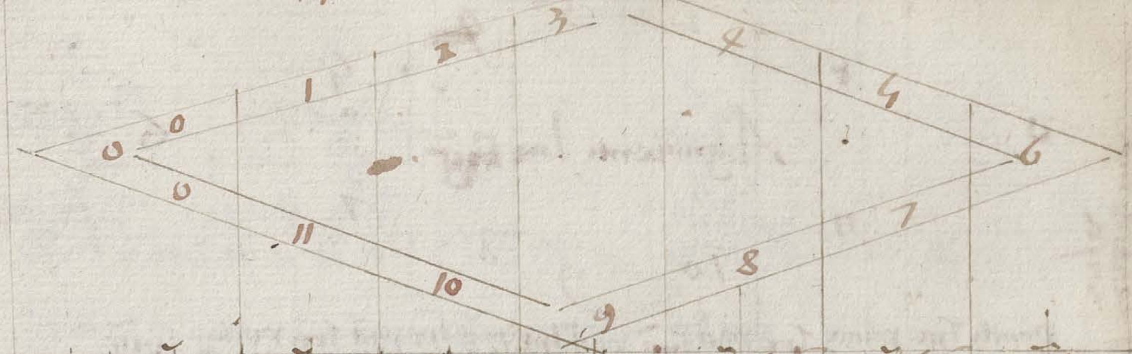
Mil' 11 8 Septel' 4 8 | Meril' 11 8 Septel' 4 8 | Meril' 11 8 Septemil' 4 8

Tabula Eclipsis Solis Sole existente in auge Ecentrici



Latitudo lune vera	Puncta eclipsica		Tempus casus		Puncta eclipsica		Tempus casus		Puncta eclipsica		Tempus casus		Puncta eclipsica		Tempus casus		Puncta eclipsica		Tempus casus		Puncta eclipsica		Tempus casus		Puncta eclipsica		Tempus casus	
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1	11	10	1	6	11	14	1	6	11	26	1	5	11	44	1	3	12	6	1	1	12	29	0	49	12	32	0	49 49
2	10	47	1	6	10	41	1	6	11	3	1	5	11	21	1	3	11	43	1	1	12	2	0	49	12	9	0	48 49
3	10	24	1	6	10	28	1	6	10	40	1	5	10	48	1	2	11	20	1	0	11	39	0	49	11	46	0	48 48
4	10	1	1	6	10	5	1	5	10	17	1	4	10	34	1	2	10	47	1	0	11	16	0	48	11	23	0	48 48
5	9	38	1	5	9	42	1	5	9	49	1	4	10	12	1	2	10	34	1	0	10	43	0	48	11	0	0	47 48
6	9	14	1	5	9	20	1	5	9	31	1	3	9	49	1	1	10	11	1	0	10	30	0	48	10	37	0	47 47
7	8	42	1	4	8	47	1	4	9	8	1	3	9	26	1	1	9	48	0	49	10	7	0	47	10	14	0	47 47
8	8	29	1	4	8	34	1	4	8	44	1	2	9	3	1	1	9	24	0	49	9	44	0	47	9	41	0	46 47
9	8	6	1	3	8	11	1	3	8	22	1	2	8	40	1	0	9	2	0	48	9	21	0	46	9	28	0	46 46
10	7	43	1	3	7	48	1	3	7	49	1	1	8	17	1	0	8	39	0	48	8	48	0	46	9	4	0	44 46
11	7	20	1	2	7	25	1	2	7	37	1	0	7	44	0	49	8	16	0	47	8	34	0	44	8	42	0	44
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Tabula eclipsis solis sole existente in longitudine media



	pūc eclip̄		tp̄s casus		pūc eclip̄		tp̄s casus		pūc eclip̄		tp̄s casus		pūc eclip̄		tp̄s casus		pūc eclip̄		tp̄s casus		pūc eclip̄		tp̄s casus		pūc eclip̄		hora casus	
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Tabula Eclipsis Sol[is] Sole existente in opposito augis



Latitudo lune vera	punct eclip		tpus casus		punc ecli		tpus casus		punct eclip		tpus casus		punct eclip		tpus casus		punc eclip		tpus casus		pun eclip		tpus casus		punc eclip		tpus casus	
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3	10	5	1	9	10	8	1	9	10	19	1	7	10	36	1	5	10	56	1	3	11	13	1	2	11	20	1	1
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9	7	57	1	7	8	1	1	6	8	12	1	5	8	28	1	3	8	49	1	1	9	6	1	0	9	13	0	59
10	7	36	1	6	7	39	1	6	7	50	1	4	8	7	1	3	8	27	1	1	8	45	0	59	8	51	0	59
11	7	35	1	5	7	18	1	5	7	29	1	4	7	46	1	2	8	6	1	0	8	23	0	59	8	30	0	58
12	6	54	1	4	6	57	1	4	7	8	1	3	7	24	1	1	7	45	0	59	8	2	0	58	8	9	0	57
13	6	32	1	3	6	36	1	3	6	47	1	2	7	3	1	0	7	24	0	59	7	40	0	58	7	48	0	57
14	6	11	1	2	6	14	1	2	6	25	1	1	6	42	0	59	7	2	0	58	7	19	0	57	7	26	0	56
15	5	50	1	1	5	53	1	1	6	4	1	0	6	21	0	58	6	41	0	57	6	58	0	56	7	5	0	55
16	5	28	1	0	5	32	1	0	5	43	0	59	5	59	0	57	6	20	0	56	6	37	0	55	6	44	0	54
17	5	7	0	59	5	10	0	58	5	21	0	57	5	38	0	56	5	58	0	54	6	15	0	56	6	22	0	53
18	4	40	0	57	4	49	0	57	5	0	0	56	5	17	0	54	5	37	0	53	5	50	0	53	6	1	0	52
19	4	29	0	56	4	28	0	54	4	39	0	54	4	56	0	54	5	16	0	52	5	33	0	52	5	40	0	51
20	4	3	0	54	4	7	0	53	4	18	0	53	4	35	0	52	4	54	0	51	5	12	0	51	5	19	0	50
21	3	42	0	52	3	46	0	51	3	56	0	51	4	13	0	51	4	33	0	50	4	50	0	49	4	57	0	49
22	3	21	0	50	3	29	0	49	3	35	0	49	3	52	0	49	4	12	0	48	4	29	0	48	4	36	0	47
23	2	40	0	47	3	3	0	47	3	14	0	47	3	32	0	47	3	51	0	47	4	8	0	47	4	15	0	46
24	2	38	0	45	2	42	0	45	2	53	0	45	3	9	0	45	3	30	0	45	3	47	0	45	3	54	0	45
25	2	17	0	42	2	20	0	42	2	31	0	42	2	48	0	43	3	8	0	42	3	24	0	43	3	32	0	43
26	1	54	0	39	1	59	0	39	2	10	0	40	2	27	0	40	2	47	0	40	3	4	0	41	3	11	0	41
27	1	39	0	36	1	38	0	36	1	49	0	36	2	6	0	37	2	26	0	38	2	43	0	39	2	50	0	39
28	1	13	0	33	1	17	0	32	1	28	0	33	1	45	0	34	2	5	0	36	2	21	0	36	2	29	0	37
29	0	52	0	27	0	54	0	27	1	6	0	29	1	23	0	31	1	43	0	32	2	0	0	34	2	7	0	34
30	0	30	0	21	0	34	0	22	0	45	0	24	1	2	0	27	1	22	0	24	1	39	0	31	1	40	0	31
31	0	9	0	11	0	13	0	13	0	24	0	17	0	40	0	22	1	1	0	24	1	18	0	28	1	24	0	28
32	0	0	0	0	0	0	0	0	0	2	0	6	0	19	0	14	0	39	0	21	0	56	0	24	1	3	0	24
33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	14	0	35	0	18	0	42	0	20
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	12	0	21	0	19
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Tabula eclipsis lune sole existente in auge sui ecentrici

Argumenti lune verum

M	pu ecli (p m)	hore casus (h m)	medie more (M)	pu ecli (p m)	hore casus (h m)	medie more (M)	pur eclip (p m)	hore casus (h m)	medie more (M)	pu eclip (p m)	hore casus (h m)	medie more (M)	pu eclip (p m)	hore casus (h m)	medie more (M)	pu ecli (p m)	hore casus (h m)	medie more (M)	pur eclip (p m)	hore casus (h m)	medie more (M)	numerus temporis casus medie more
Signa	0			1 / 11			2 / 10			3 / 9			4 / 8			5 / 7			6			
0	21 36	1 4	41	21 26	1 4	41	21 36	1 3	41	21 36	1 3	41	21 36	1 3	41	21 36	1 3	40	21 36	1 3	40	3
1	21 11	1 4	41	21 11	1 4	41	21 12	1 3	41	21 14	1 3	41	21 14	1 3	41	21 16	1 3	40	21 16	1 3	40	3
2	20 46	1 4	41	20 46	1 4	41	20 48	1 3	41	20 41	1 3	41	20 44	1 3	41	20 46	1 3	40	20 46	1 3	40	3
3	20 22	1 4	41	20 22	1 4	41	20 24	1 3	41	20 29	1 3	41	20 32	1 3	40	20 34	1 3	40	20 36	1 3	40	3
4	19 47	1 4	40	19 47	1 4	40	20 1	1 4	40	20 4	1 4	40	20 10	1 3	40	20 15	1 3	40	20 16	1 3	40	3
5	19 32	1 4	40	19 33	1 4	40	19 37	1 4	40	19 44	1 4	40	19 40	1 3	40	19 44	1 3	40	19 46	1 3	40	3
6	19 7	1 4	49	19 8	1 4	40	19 14	1 4	49	19 21	1 4	49	19 26	1 4	49	19 34	1 3	49	19 36	1 3	40	3
7	18 42	1 4	49	18 44	1 4	49	18 40	1 4	49	18 41	1 4	49	19 7	1 4	49	19 14	1 3	49	19 16	1 3	49	3
8	18 17	1 4	48	18 19	1 4	48	18 26	1 4	48	18 36	1 4	48	18 46	1 4	48	18 49	1 4	48	18 46	1 4	49	3
9	17 43	1 6	47	17 44	1 6	47	18 3	1 6	47	18 14	1 6	47	18 24	1 4	48	18 33	1 4	48	18 36	1 4	48	4
10	17 28	1 7	46	17 30	1 7	46	17 39	1 7	46	17 41	1 6	47	18 4	1 4	47	18 13	1 4	47	18 16	1 4	48	4
11	17 3	1 7	44	17 6	1 7	44	17 14	1 7	44	17 29	1 7	46	17 42	1 4	46	17 43	1 4	47	17 46	1 4	47	4
12	16 38	1 8	44	16 41	1 8	44	16 42	1 8	44	17 6	1 7	44	17 21	1 6	44	17 33	1 5	46	17 36	1 4	46	6
13	16 13	1 9	42	16 17	1 9	42	16 28	1 8	43	16 44	1 8	44	17 0	1 7	44	17 12	1 6	44	17 16	1 6	44	6
14	15 48	1 10	41	15 42	1 10	41	16 4	1 9	42	16 21	1 9	43	16 39	1 7	43	16 42	1 6	44	16 47	1 6	44	7
15	14 24	1 11	39	14 28	1 11	41	14 41	1 10	40	15 49	1 10	42	16 17	1 8	42	16 32	1 7	43	16 37	1 7	43	8
16	14 49	1 12	37	14 3	1 13	37	14 17	1 11	38	15 36	1 11	40	15 46	1 9	41	16 11	1 7	42	16 17	1 7	42	8
17	14 34	1 13	34	14 39	1 14	34	14 43	1 13	36	15 14	1 12	38	15 34	1 10	40	15 41	1 8	41	15 47	1 8	41	9
18	14 9	1 14	32	14 19	1 16	33	14 30	1 14	34	14 41	1 14	36	15 13	1 11	38	15 31	1 9	40	15 37	1 8	40	10
19	13 44	1 18	29	13 40	1 18	30	14 6	1 16	32	14 29	1 14	34	14 42	1 13	36	15 10	1 10	38	15 17	1 9	38	12
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21	12 49	1 24	21	13 1	1 23	23	13 18	1 20	26	13 44	1 18	29	14 10	1 16	32	14 30	1 13	34	14 37	1 12	39	14
22	12 30	1 28	16	12 36	1 27	18	12 44	1 23	22	13 21	1 20	26	13 48	1 18	29	14 10	1 14	32	14 17	1 13	32	16
23	12 4	1 36	17	12 12	1 33	11	12 31	1 27	17	12 48	1 22	23	13 23	1 20	26	13 49	1 16	30	13 47	1 14	30	17
24	11 40	1 42	0	11 47	1 43	0	12 7	1 34	8	12 36	1 26	18	13 6	1 22	23	13 29	1 18	27	13 37	1 16	28	19
25	11 14	1 41	0	11 23	1 41	0	11 44	1 42	0	12 13	1 31	12	12 41	1 29	19	13 9	1 20	24	13 17	1 17	29	22
26	10 41	1 39	0	10 48	1 40	0	11 20	1 41	0	11 41	1 42	0	12 23	1 24	14	12 48	1 22	20	12 47	1 19	22	24
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34	7 32	1 27	0	7 42	1 28	0	8 11	1 30	0	8 41	1 32	0	9 33	1 34	0	10 6	1 36	0	10 18	1 37	0	36
35	7 7	1 25	0	7 18	1 26	0	7 47	1 28	0	8 28	1 31	0	9 12	1 33	0	9 46	1 34	0	9 48	1 36	0	34
36	6 42	1 23	0	6 43	1 24	0	7 23	1 26	0	8 6	1 30	0	8 41	1 32	0	9 26	1 34	0	9 38	1 34	0	33
37	6 17	1 21	0	6 29	1 22	0	7 0	1 24	0	7 43	1 28	0	8 30	1 31	0	9 4	1 33	0	9 18	1 33	0	32
38	5 43	1 18	0	6 4	1 20	0	6 36	1 22	0	7 21	1 26	0	8 8	1 30	0	8 44	1 31	0	8 48	1 32	0	31
39	5 28	1 16	0	5 40	1 19	0	6 12	1 20	0	6 48	1 24	0	7 47	1 28	0	8 26	1 30	0	8 38	1 31	0	29
40	5 3	1 14	0	5 14	1 16	0	5 49	1 18	0	6 36	1 22	0	7 26	1 26	0	8 4	1 28	0	8 18	1 29	0	28
41	4 38	1 11	0	4 41	1 13	0	5 24	1 16	0	6 13	1 20	0	7 4	1 24	0	7 44	1 27	0	7 49	1 28	0	27
42	4 13	1 8	0	4 26	1 10	0	4 1	1 13	0	5 41	1 18	0	6 43	1 23	0	7 24	1 26	0	7 39	1 27	0	26
43	3 48	1 6	0	4 2	1 7	0	4 37	1 11	0	5 28	1 16	0	6 22	1 21	0	7 3	1 24	0	7 19	1 26	0	24
44	3 24	1 2	0	3 37	1 3	0	4 17	1 8	0	5 6	1 14	0	6 1	1 19	0	6 43	1 22	0	6 49	1 24	0	22
45	3 49	0 48	0	3 13	1 0	0	3 40	1 4	0	4 43	1 11	0	5 39	1 17	0	6 22	1 20	0	6 39	1 22	0	20
46	2 34	0 44	0	2 48	0 47	0	3 26	1 2	0	4 20	1 8	0	5 18	1 14	0	6 2	1 18	0	6 19	[illegible]	0	18
47	2 9	0 49	0	2 24	0 42	0	3 3	0 49	0	3 48	1 4	0	4 47	1 13	0	5 42	1 16	0	5 49	[illegible]	0	16
48	1 44	0 44	0	1 49	0 48	0	2 39	0 44	0	3 36	1 2	0	4 36	1 11	0	5 22	1 14	0	5 39	[illegible]	0	14
49	1 19	0 40	0	1 34	0 43	0	2 14	0 41	0	3 12	0 49	0	4 14	1 8	0	5 1	1 12	0	5 19	[illegible]	0	12
50	0 44	0 33	0	1 10	0 38	0	1 42	0 47	0	2 40	0 46	0	3 43	1 4	0	4 41	1 10	0	4 49	[illegible]	0	10
51	0 30	0 24	0	0 46	0 33	0	1 23	0 42	0	2 28	0 42	0	3 32	1 2	0	4 21	1 8	0	4 39	[illegible]	0	8
52	0 10	0 10	0	0 21	0 21	0	1 4	0 36	0	2 4	0 48	0	3 11	0 49	0	4 1	1 6	0	4 19	[illegible]	0	6
53	0 0	0 0	0	0 0	0 0	0	0 41	0 28	0	1 43	0 44	0	2 49	0 46	0	3 40	1 3	0	3 49	[illegible]	0	[illegible]
54	0 0	0 0	0	0 0	0 0	0	0 17	0 19	0	1 20	0 39	0	2 28	0 43	0	3 20	1 0	0	3 40	[illegible]	0	[illegible]
55	0 0	0 0	0	0 0	0 0	0	0 0	0 3	0	0 48	0 33	0	2 7	0 49	0	3 0	0 47	0	3 20	[illegible]	0	[illegible]
56	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 34	0 26	0	1 46	0 44	0	2 39	0 44	0	3 0	[illegible]	0	[illegible]
57	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 12	0 16	0	1 24	0 40	0	2 19	0 40	0	2 40	[illegible]	0	[illegible]
58	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	1 3	0 40	0	1 49	0 46	0	2 20	[illegible]	0	[illegible]
59	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 42	0 34	0	1 38	0 43	0	2 0	[illegible]	0	[illegible]
60	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 21	0 29	0	1 18	0 38	0	1 40	[illegible]	0	[illegible]
61	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 20	0	0 48	0 33	0	1 20	[illegible]	0	[illegible]
62	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 38	0 27	0	1 0	[illegible]	0	[illegible]
63	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 17	0 18	0	0 40	[illegible]	0	[illegible]
64	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 20	[illegible]	0	[illegible]
65	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	0 0	[illegible]	0	[illegible]
66																						

Tabula eclipsis lune sole existente in longitudine media [illegible]

Argumentum lune signa: 0 | 1 · 11 | 2 · 10 | 3 · 9 | 4 · 8 | 5 · 7 | 6

Latitudo lune vera	0 punctum eclipsis	hora casus	medie more	1·11 punctum eclipsis	tempus casus	medie more	2·10 punctum eclipsis	tempus casus	medie more	3·9 punctum eclipsis	tempus casus	medie more	4·8 punctum eclipsis	tempus casus	medie more	5·7 punctum eclipsis	tempus casus	medie more	6 punctum eclipsis	tempus casus	medie more
m	p m	h m	m	p m	h m	m	p m	h m	m	p m	h m	m	p m	h m	m	p m	h m	m	p m	h m	m
0	21 25	1 4	50	21 26	1 4	50	21 26	1 4	50	21 26	1 4	50	21 27	1 3	50	21 27	1 3	50	21 27	1 3	50
1	21 0	1 4	50	21 1	1 4	50	21 2	1 4	50	21 4	1 4	50	21 6	1 3	50	21 7	1 3	50	21 7	1 3	50
2	20 36	1 4	50	20 37	1 4	50	20 38	1 4	50	20 41	1 4	50	20 45	1 3	50	20 47	1 3	50	20 47	1 3	50
3	20 11	1 4	50	20 13	1 4	50	20 15	1 4	50	20 19	1 4	50	20 23	1 3	50	20 26	1 3	49	20 27	1 3	49
4	19 46	1 5	49	19 47	1 5	49	19 51	1 4	49	19 56	1 4	49	20 2	1 4	49	20 6	1 3	49	20 7	1 3	49
5	19 21	1 5	49	19 23	1 5	49	19 27	1 4	49	19 34	1 4	49	19 41	1 4	49	19 46	1 3	49	19 47	1 3	49
6	18 56	1 5	49	18 58	1 5	48	19 4	1 4	48	19 11	1 4	49	19 20	1 4	48	19 25	1 3	49	19 28	1 3	49
7	18 31	1 6	48	18 34	1 6	48	18 40	1 5	48	18 49	1 5	48	18 58	1 4	48	19 5	1 4	48	19 8	1 4	48
8	18 7	1 6	48	18 9	1 6	47	18 16	1 5	47	18 26	1 5	48	18 37	1 4	47	18 45	1 4	48	18 48	1 4	48
9	17 42	1 7	47	17 45	1 7	46	17 53	1 5	47	18 4	1 6	47	18 16	1 5	47	18 24	1 4	47	18 28	1 4	47
10	17 17	1 7	46	17 20	1 7	45	17 29	1 5	46	17 41	1 6	46	17 52	1 5	46	18 4	1 5	46	18 8	1 4	47
11	16 52	1 8	45	16 56	1 8	44	17 5	1 6	45	17 19	1 7	45	17 33	1 6	45	17 44	1 5	46	17 48	1 5	46
12	16 27	1 8	44	16 31	1 9	43	16 42	1 6	44	16 56	1 7	44	17 12	1 7	44	17 24	1 6	45	17 28	1 5	45
13	16 2	1 9	42	16 7	1 10	42	16 18	1 7	43	16 34	1 8	43	16 51	1 7	43	17 3	1 6	44	17 8	1 6	44
14	15 38	1 11	40	15 42	1 11	40	15 54	1 8	41	16 11	1 9	42	16 30	1 8	42	16 43	1 7	43	16 48	1 6	43
15	15 13	1 12	38	15 18	1 12	38	15 31	1 10	39	15 49	1 10	40	16 8	1 8	41	16 23	1 7	42	16 28	1 7	42
16	14 48	1 13	36	14 53	1 14	36	15 7	1 11	37	15 26	1 11	38	15 47	1 9	40	16 2	1 8	41	16 8	1 8	41
17	14 23	1 15	33	14 29	1 15	34	14 43	1 13	35	15 4	1 13	36	15 26	1 10	39	15 42	1 9	40	15 48	1 9	40
18	13 58	1 17	30	14 4	1 17	31	14 20	1 14	33	14 41	1 14	34	15 4	1 11	37	15 22	1 10	38	15 28	1 10	39
19	13 34	1 19	27	13 40	1 19	28	13 56	1 17	30	14 19	1 16	32	14 43	1 12	35	15 1	1 11	36	15 8	1 12	37
20	13 9	1 21	24	13 15	1 21	25	13 32	1 19	27	13 56	1 17	30	14 22	1 14	34	14 41	1 12	34	14 48	1 13	35
21	12 44	1 25	19	12 51	1 24	21	13 8	1 31	24	13 34	1 19	27	14 1	1 16	30	14 21	1 14	32	14 29	1 15	33
22	12 29	1 30	13	12 26	1 29	19	12 45	1 34	20	13 11	1 21	24	13 39	1 19	27	14 1	1 15	30	14 9	1 16	31
23	11 54	1 42	0	12 2	1 39	4	12 21	1 39	0	12 48	1 24	20	13 18	1 21	24	13 40	1 17	28	13 49	1 19	29
24	11 29	1 41	0	11 37	1 42	0	11 57	1 42	0	12 26	1 28	15	12 57	1 23	21	13 20	1 19	25	13 29	1 21	26
25	11 5	1 40	0	11 13	1 40	0	11 34	1 41	0	12 3	1 37	5	12 36	1 26	17	13 [illegible]	1 21	22	13 9	1 24	23
26	10 40	1 39	0	10 48	1 39	0	11 10	1 40	0	11 41	1 41	0	12 14	1 31	11	12 39	1 25	18	12 49	1 [illegible]	20
27	10 15	1 38	0	10 24	1 38	0	10 46	1 39	0	11 18	1 40	0	11 53	1 41	0	12 19	1 34	13	12 29	1 27	16
28	9 50	1 37	0	9 59	1 37	0	10 23	1 38	0	10 56	1 39	0	11 22	1 40	0	11 59	1 41	0	12 9	1 33	9
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8 8 9 10 12 13 15 16 19 21 24

Tabula Eclipsis Lune Sole existente in opposito augis secundum [illegible]

Argumenti Lune Signa

	0					1 / 11					2 / 10					3 / 9					4 / 8					5 / 7					6				
	punc. eclipsi		hore casus		minuta more	punc. eclipsi		hore casus		minuta more	punc. eclipsi		hore casus		minuta more	punc. eclipsi		hore casus		minuta more	punc. eclipsi		hore casus		minuta more	punc. eclipsi		hore casus		minuta more	punc. eclipsi		hore casus		minuta more
M	p	m	h	m	M	p	m	h	m	M	p	m	h	m	M	p	m	h	m	M	p	m	h	m	M	p	m	h	m	M	p	m	h	m	M
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57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	34	0	1	40	0	48	0	2	22	0	[illegible]	0
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Tabula augis solis

Anni Christi completi	Aux solis S	G	M	2a	motus in anno
1400	3	0	14	9	34
1405	3	0	17	8	
1410	3	0	20	6	
1415	3	0	23	3	
1420	3	0	26	0	
1425	3	0	28	56	
1430	3	0	31	51	
1435	3	0	34	46	
1440	3	0	37	40	3[illegible]
1445	3	0	40	33	
1450	3	0	43	26	
1455	3	0	46	18	
1460	3	0	49	9	
1465	3	0	51	59	
1470	3	0	54	48	
1475	3	0	57	37	
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1485	3	1	3	13	
1490	3	1	6	0	
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1575	3	1	51	50	
1580	3	1	54	26	
1585	3	1	57	2	
1590	3	1	59	38	
1595	3	2	2	13	
1600	3	2	4	48	30
1605	3	2	7	22	

Anni Christi completi	Aux ☉ S	G	M	2a	motus in anno 2a
1610	3	2	9	47	
1615	3	2	12	12	
1620	3	2	14	38	
1625	3	2	17	2	
1630	3	2	19	27	
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1665	3	2	37	4	
1670	3	2	39	29	
1675	3	2	41	54	
1680	3	2	44	18	28
1685	3	2	46	43	
1690	3	2	49	3	
1695	3	2	51	24	
1700	3	2	53	46	
1705	3	2	56	6	
1710	3	2	58	26	
1715	3	3	0	45	
1720	3	3	3	3	27
1725	3	3	5	21	
1730	3	3	7	38	
1735	3	3	9	55	
1740	3	3	12	11	
1745	3	3	14	27	
1750	3	3	16	42	
1755	3	3	18	57	
1760	3	3	21	11	26
1765	3	3	23	25	
1770	3	3	25	38	
1775	3	3	27	51	
1780	3	3	30	1	
1785	3	3	32	7	
1790	3	3	34	16	
1795	3	3	36	24	
1800	3	3	38	31	25
1805	3	3	40	38	
1810	3	3	42	44	

Anni Christi completi	Aux ☉ S	G	M	2a	motus in anno 2a
1815	3	3	44	51	
1820	3	3	46	56	
1825	3	3	49	1	
1830	3	3	51	5	
1835	3	3	53	9	
1840	3	3	55	12	24
1845	3	3	57	15	
1850	3	3	59	16	
1855	3	4	1	17	
1860	3	4	3	17	
1865	3	4	5	17	
1870	3	4	7	16	
1875	3	4	9	15	
1880	3	4	11	13	23
1885	3	4	13	11	
1890	3	4	15	8	
1895	3	4	17	5	
1900	3	4	18	59	
1905	3	4	20	54	
1910	3	4	22	48	
1915	3	4	24	42	
1920	3	4	26	37	22
1925	3	4	28	27	
1930	3	4	30	19	
1935	3	4	32	10	
1940	3	4	34	0	
1945	3	4	35	50	
1950	3	4	37	39	
1955	3	4	39	27	
1960	3	4	41	15	21
1965	3	4	43	1	
1970	3	4	44	47	
1975	3	4	46	33	
1980	3	4	48	18	
1985	3	4	50	3	
1990	3	4	51	47	
1995	3	4	53	30	
2000	3	4	55	12	20
2005	3	4	56	54	
2010	3	4	58	35	
2015	3	5	0	16	

Anni Christi completi	Aux solis S	G	M	2a	motus in anno 2a
2020	3	5	1	56	
2025	3	5	3	36	
2030	3	5	5	15	
2035	3	5	6	53	
2040	3	5	8	31	19
2045	3	5	10	8	
2050	3	5	11	45	
2055	3	5	13	21	
2060	3	5	14	57	
2065	3	5	16	32	
2070	3	5	18	7	
2075	3	5	19	41	
2080	3	5	21	15	18
2085	3	5	22	48	
2090	3	5	24	20	
2095	3	5	25	51	
2100	3	5	27	21	
2105	3	5	28	50	
2110	3	5	30	18	
2115	3	5	31	45	
2120	3	5	33	11	17
2125	3	5	34	37	
2130	3	5	36	3	
2135	3	5	37	28	
2140	3	5	38	52	
2145	3	5	40	16	
2150	3	5	41	39	
2155	3	5	43	2	
2160	3	5	44	24	16
2165	3	5	45	47	
2170	3	5	47	9	
2175	3	5	48	30	
2180	3	5	49	51	
2185	3	5	51	11	
2190	3	5	52	30	
2195	3	5	53	48	
2200	3	5	55	6	15
2205	3	5	56	24	
2210	3	5	57	41	
2215	3	5	58	57	
2220	3	6	0	13	

Tabula augis solis

Anni Christi completi	Augis solis S	G	M	2a
2225	3	6	1	28
2230	3	6	2	43
2235	3	6	3	58
2240	3	6	5	10
2245	3	6	6	23
2250	3	6	7	36
2255	3	6	8	48
2260	3	6	9	59
2265	3	6	11	10
2270	3	6	12	20
2275	3	6	13	30
2280	3	6	14	39
2285	3	6	15	47
2290	3	6	16	55
2295	3	6	18	2
2300	3	6	19	9
2305	3	6	20	15
2310	3	6	21	20
2315	3	6	22	25
2320	3	6	23	29
2325	3	6	24	32
2330	3	6	25	34
2335	3	6	26	36
2340	3	6	27	37
2345	3	6	28	37
2350	3	6	29	37
2355	3	6	30	36
2360	3	6	31	35
2365	3	6	32	34
2370	3	6	33	32
2375	3	6	34	30
2380	3	6	35	27
2385	3	6	36	23
2390	3	6	37	19
2395	3	6	38	14
2400	3	6	39	9
2405	3	6	40	3
2410	3	6	40	57
2415	3	6	41	50
2420	3	6	42	43
2425	3	6	43	35

Anni Christi completi	Augis solis S	G	M	2a
2430	3	6	44	27
2435	3	6	45	18
2440	3	6	46	8
2445	3	6	46	58
2450	3	6	47	48
2455	3	6	48	37
2460	3	6	49	26
2465	3	6	50	14
2470	3	6	51	2
2475	3	6	51	50
2480	3	6	52	37
2485	3	6	53	23
2490	3	6	54	8
2495	3	6	54	53
2500	3	6	55	37
2505	3	6	56	20
2510	3	6	57	3
2515	3	6	57	45
2520	3	6	58	26
2525	3	6	59	7
2530	3	6	59	47
2535	3	7	0	27
2540	3	7	1	6
2545	3	7	1	45
2550	3	7	2	23
2555	3	7	3	1
2560	3	7	3	38
2565	3	7	4	14
2570	3	7	4	50
2575	3	7	5	27
2580	3	7	6	2
2585	3	7	6	37
2590	3	7	7	11
2595	3	7	7	45
2600	3	7	8	18
2605	3	7	8	51
2610	3	7	9	24
2615	3	7	9	56
2620	3	7	10	28
2625	3	7	10	59
2630	3	7	11	30

Anni Christi completi	Augis solis S	G	M	2a
2635	3	7	12	1
2640	3	7	12	31
2645	3	7	13	1
2650	3	7	13	30
2655	3	7	13	59
2660	3	7	14	28
2665	3	7	14	56
2670	3	7	15	24
2675	3	7	15	51
2680	3	7	16	18
2685	3	7	16	44
2690	3	7	17	10
2695	3	7	17	35
2700	3	7	18	0
2705	3	7	18	24
2710	3	7	18	48
2715	3	7	19	11
2720	3	7	19	34
2725	3	7	19	57
2730	3	7	20	19
2735	3	7	20	41
2740	3	7	21	3
2745	3	7	21	24
2750	3	7	21	45
2755	3	7	22	5
2760	3	7	22	25
2765	3	7	22	45
2770	3	7	23	4
2775	3	7	23	23
2780	3	7	23	41
2785	3	7	23	58
2790	3	7	24	15
2795	3	7	24	31
2800	3	7	24	47
2805	3	7	25	2
2810	3	7	25	17
2815	3	7	25	32
2820	3	7	25	46
2825	3	7	26	0
2830	3	7	26	13
2835	3	7	26	26

Anni Christi completi	Augis solis S	G	M	2a
2840	3	7	26	35
2845	3	7	26	[illegible]
2850	3	7	27	3
2855	3	7	27	15
2860	3	7	27	26
2865	3	7	27	37
2870	3	7	27	48
2875	3	7	27	58
2880	3	7	28	8
2885	3	7	28	18
2890	3	7	28	27
2895	3	7	28	36
2900	3	7	28	45
2905	3	7	28	53
2910	3	7	29	1
2915	3	7	29	9
2920	3	7	29	16
2925	3	7	29	23
2930	3	7	29	30
2935	3	7	29	36
2940	3	7	29	42
2945	3	7	29	47
2950	3	7	29	52
2955	3	7	29	57
2960	3	7	30	1
2965	3	7	30	5
2970	3	7	30	9
2975	3	7	30	13
2980	3	7	30	16
2985	3	7	30	19
2990	3	7	30	22
2995	3	7	30	24
3000	3	7	30	26
3005	3	7	30	27
3010	3	7	30	28
3015	3	7	30	28
3020	3	7	30	29
3025	3	7	30	29
3030	3	7	30	30
3035	3	7	30	30
3040	3	7	30	30

Signa 0 1 2 3 4 5

M

Gr	Mi	Equatio S	G	M	2a 3a	Equatio S	G	M	2a 3a	Equatio S	G	M	2a 3a	Equatio S	G	M	2a 3a	Equatio S	G	M	2a 3a	Equatio S	G	M	2a 3a	Gr	Mi
0	0	0	0	0	2 11	1	2	55	1 45	1	40	49	1 9	2	9	45	0 5	1	44	57	1 6	1	7	11	2 6	30	0
0	10	0	0	22		1	3	14		1	40	56		2	9	47		1	44	46		1	6	51		29	50
0	20	0	0	44		1	3	33		1	41	7		2	9	46		1	44	35		1	6	31		29	40
0	30	0	1	7		1	3	52		1	41	18		2	9	46		1	44	22		1	6	11		29	30
0	40	0	1	27		1	4	11		1	41	29		2	9	47		1	44	10		1	5	51		29	20
0	50	0	1	49		1	4	30		1	41	40		2	9	47		1	43	58		1	5	31		29	10
1	0	0	2	10		1	4	49	1 13	1	41	51	1 7	2	9	48	0 2	1	43	46	0 9	1	5	10	2 3	29	0
1	10	0	2	32		1	5	8		1	42	2		2	9	49		1	43	34		1	4	50		28	50
1	20	0	2	53		1	5	27		1	42	13		2	9	49		1	43	23		1	4	29		28	40
1	30	0	3	15		1	5	46		1	42	24		2	9	49		1	43	11		1	4	9		28	30
1	40	0	3	36		1	6	4		1	42	34		2	9	0		1	42	59		1	3	48		28	20
1	50	0	3	58		1	6	23		1	42	45		2	9	0		1	42	47		1	3	28		28	10
2	0	0	4	19		1	6	42	1 12	1	42	56	1 9	2	9	0	0 1	1	42	34	11	1	3	7	2 4	28	0
2	10	0	4	41		1	7	1		1	43	7		2	9	0		1	42	24		1	2	47		27	50
2	20	0	5	2		1	7	20		1	43	18		2	9	0		1	42	12		1	2	26		27	40
2	30	0	5	23		1	7	38		1	43	28		2	9	0		1	42	0		1	2	5		27	30
2	40	0	5	45		1	7	57		1	43	39		2	9	0		1	41	48		1	1	45		27	20
2	50	0	6	6		1	8	16		1	43	50		2	9	49		1	41	36		1	1	24		27	10
3	0	0	6	27		1	8	34		1	44	0	1 3	2	9	49	0 3	1	41	24	13	1	1	3	2 4	27	0
3	10	0	6	49		1	8	53		1	44	11		2	9	49		1	41	12		1	0	42		26	50
3	20	0	7	10		1	9	12		1	44	22		2	9	48		1	41	0		1	0	21		26	40
3	30	0	7	32		1	9	30		1	44	33		2	9	48		1	40	48		1	0	1		26	30
3	40	0	7	53		1	9	49		1	44	44		2	9	47		1	40	36		0	59	40		26	20
3	50	0	8	14		1	10	8		1	44	55		2	9	47	0 6	1	40	24		0	59	19		26	10
4	0	0	8	36		1	10	26	1 11	1	45	6	1 1	2	9	46		1	40	12	14	0	58	58	2 6	26	0
4	10	0	8	58		1	10	45		1	45	17		2	9	44		1	40	0		0	58	37		25	50
4	20	0	9	19		1	11	3		1	45	27		2	9	45		1	39	48		0	58	16		25	40
4	30	0	9	40		1	11	22		1	45	38		2	9	43		1	39	36		0	57	55		25	30
4	40	0	10	2		1	11	40		1	45	48		2	9	42		1	39	24		0	57	35		25	20
4	50	0	10	23		1	11	59		1	45	59		2	9	41		1	39	12		0	57	13		25	10
5	0	0	10	44		1	12	17	1 10	1	46	9	1 0	2	9	40	0 8	1	38	59	15	0	56	52	2 8	25	0
5	10	0	11	6		1	12	36		1	46	19		2	9	39		1	38	47		0	56	31		24	50
5	20	0	11	27		1	12	54		1	46	29		2	9	38		1	38	34		0	56	10		24	40
5	30	0	11	49		1	13	12		1	46	39		2	9	36		1	38	23		0	55	48		24	30
5	40	0	12	10		1	13	31		1	46	49		2	9	34		1	38	11		0	55	27		24	20
5	50	0	12	32		1	13	49		1	46	59		2	9	33		1	37	59		0	55	6		24	10
6	0	0	12	53	2 6	1	14	7	1 9	1	47	9	1 48	2	9	32	1 10	1	37	46	14	0	54	45	2 9	24	0
6	10	0	13	14		1	14	26		1	47	18		2	9	31		1	37	32		0	54	23		23	50
6	20	0	13	36		1	14	44		1	47	27		2	9	39		1	37	18		0	54	1		23	40
6	30	0	13	58		1	15	2		1	47	36		2	9	37		1	37	4		0	53	40		23	30
6	40	0	14	19		1	15	20		1	47	45		2	9	36		1	36	49		0	53	18		23	20
6	50	0	14	41		1	15	38		1	47	54		2	9	34		1	36	34		0	52	57		23	10
7	0	0	15	2		1	15	56	1 49	1	48	2	1 76	2	9	32	1 11	1	36	20	12	0	52	37	2 6	23	0
7	10	0	15	24		1	16	14		1	48	11		2	9	33		1	36	6		0	52	14		22	50
7	20	0	15	47		1	16	32		1	48	19		2	9	28		1	35	51		0	51	52		22	40
7	30	0	16	6		1	16	50		1	48	28		2	9	26		1	35	37		0	51	31		22	30

Signa

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Tabula equacionis solis

G	M	Estio		Estio C		Equatio		Estio		Estio		Estio			
7	30	0 16 21	2 10	1 16 50		1 58 17		2 9 26		1 45 32		0 51 31		22	30
7	40	0 16 43		1 17 7		1 58 27		2 9 24		1 45 18		0 51 9		22	20
7	50	0 17 4		1 17 24		1 58 36		2 9 22		1 45 4		0 50 48		22	10
8	0	0 17 26		1 17 41	1 44	1 58 45	0 54	2 9 19	0 15	1 44 51	1	0 50 26	2 10	22	0
8	10	0 17 48		1 18 1		1 58 54		2 9 17		1 44 37		0 50 4		21	50
8	20	0 18 9		1 18 18		1 59 3		2 9 14		1 44 23		0 49 43		21	40
8	30	0 18 31		1 18 37		1 59 12		2 9 12		1 44 9		0 49 21		21	30
8	40	0 18 53		1 18 53		1 59 21		2 9 9		1 43 55		0 49 0		21	20
8	50	0 19 14		1 19 11		1 59 30		2 9 7		1 43 41		0 48 38		21	10
9	0	0 19 36		1 19 28	1 43	1 59 39	0 52	2 9 4	0 17	1 43 27	1	0 48 16	2 11	21	0
9	10	0 19 58		1 19 46		1 59 48		2 9 1		1 43 13		0 47 54		20	50
9	20	0 20 19		1 20 3		1 59 57		2 8 58		1 42 59		0 47 32		20	40
9	30	0 20 41		1 20 20		2 0 5		2 8 56		1 42 44		0 47 11		20	30
9	40	0 21 3		1 20 37		2 0 14		2 8 53		1 42 30		0 46 49		20	20
9	50	0 21 24		1 20 54		2 0 23		2 8 50		1 42 16		0 46 27		20	10
10	0	0 21 46	2 9	1 21 11		2 0 31	0 50	2 8 47	0 19	1 42 1	1	0 46 5	2 12	20	0
10	10	0 22 8		1 21 28	1 42	2 0 40		2 8 44		1 41 47		0 45 43		19	50
10	20	0 22 29		1 21 45		2 0 48		2 8 41		1 41 32		0 45 21		19	40
10	30	0 22 51		1 22 2		2 0 56		2 8 38		1 41 17		0 44 59		19	30
10	40	0 23 12		1 22 19		2 1 4		2 8 34		1 41 3		0 44 37		19	20
10	50	0 23 34		1 22 36		2 1 13		2 8 32		1 40 48		0 44 15		19	10
11	0	0 23 55		1 22 53	1 41	2 1 21	0 48	2 8 28	0 22	1 40 33	1	0 43 53	2 13	19	0
11	10	0 24 17		1 23 10		2 1 29		2 8 24		1 40 18		0 43 31		18	50
11	20	0 24 38		1 23 27		2 1 37		2 8 21		1 40 3		0 43 9		18	40
11	30	0 25 0		1 23 44		2 1 45		2 8 17		1 39 48		0 42 47		18	30
11	40	0 25 21		1 24 0		2 1 53		2 8 14		1 39 33		0 42 25		18	20
11	50	0 25 43		1 24 17		2 2 1		2 8 10		1 39 18		0 42 3		18	10
12	0	0 26 4	2 8	1 24 34	1 40	2 2 9	0 45	2 8 6	0 25	1 39 3	1	0 41 40	2 14	18	0
12	10	0 26 25		1 24 51		2 2 17		2 8 2		1 38 48		0 41 18		17	50
12	20	0 26 47		1 25 8		2 2 24		2 7 58		1 38 33		0 40 56		17	40
12	30	0 27 8		1 25 25		2 2 32		2 7 54		1 38 17		0 40 33		17	30
12	40	0 27 29		1 25 41		2 2 39		2 7 50		1 38 1		0 40 11		17	20
12	50	0 27 51		1 25 58		2 2 47		2 7 46		1 37 46		0 39 49		17	10
13	0	0 28 12		1 26 14	1 38	2 2 54	0 43	2 7 41	0 27	1 37 30		0 39 26	2 15	17	0
13	10	0 28 33		1 26 31		2 3 2		2 7 37		1 37 14		0 39 4		16	50
13	20	0 28 54		1 26 47		2 3 9		2 7 32		1 36 58		0 38 41		16	40
13	30	0 29 15		1 27 3		2 3 16		2 7 28		1 36 43		0 38 19		16	30
13	40	0 29 37		1 27 20		2 3 23		2 7 23		1 36 27		0 37 56		16	20
13	50	0 29 59		1 27 36		2 3 30		2 7 19		1 36 12		0 37 34		16	10
14	0	0 30 20	2 7	1 27 52	1 37	2 3 37	0 40	2 7 14	0 30	1 35 56		0 37 11	2 16	16	0
14	10	0 30 41		1 28 9		2 3 44		2 7 9		1 35 40		0 36 49		15	50
14	20	0 31 2		1 28 24		2 3 51		2 7 4		1 35 24		0 36 26		15	40
14	30	0 31 24		1 28 41		2 3 57		2 6 59		1 35 8		0 36 3		15	30
14	40	0 31 45		1 28 57		2 4 4		2 6 54		1 34 53		0 35 41		15	20
14	50	0 32 6		1 29 13		2 4 11		2 6 49		1 34 38		0 35 18		15	10
15	0	0 32 27		1 29 29	1 3[illegible]	2 4 17	0 38	2 6 44	0 32	1 34 23		0 34 56	2 1[illegible]	15	0

11 10 9 A 8 7 6

Tabula equacionis solis

M

G	M	Casus	2 3	Casus	2 3	Casus	2 3	Casus	2 3	Casus	2 3	Casus	2 3	G	M
15	0	0 32 27	7	1 29 29	1 37	2 4 17	0 38	2 6 44	0 32	1 34 24	1 37	0 34 57	2 16	15	0
15	10	0 32 48		1 29 45		2 4 24		2 6 39		1 34 8		0 34 33		14	50
15	20	0 33 9		1 30 1		2 4 30		2 6 34		1 33 52		0 34 10		14	40
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17	20	0 37 22		1 33 9		2 5 43		2 5 26		1 30 34		0 29 36		12	40
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19	0	0 40 51		1 35 42	1 29	2 6 37	0 29	2 4 22	0 41	1 27 41	1 42	0 25 46	2 19	11	0
19	10	0 41 12		1 35 57		2 6 42		2 4 [illegible]		1 27 28		0 25 23		10	50
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22	20	0 47 44		1 40 32		2 8 6		2 1 56		1 21 51		0 18 1		7	40
22	30	0 48 4		1 40 46		2 8 10		2 1 48		1 21 33		0 17 37		7	30

11 10 9 8 7 6 Signa

A

Tabula equationis solis

G	M	Signa 0					Signa 1					Signa 2					Signa 3					Signa 4					Signa 5					G	M
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23	20	0	49	45			1	41	56			2	8	28			2	1	7			1	20	1			0	15	41			6	40
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27	50	0	58	42			1	47	49			2	9	38			1	56	58			1	11	29			0	5	7			2	10
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28	40	1	0	20			1	48	51			2	9	46			1	56	7			1	9	51			0	3	9			1	20
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29	20	1	1	38			1	49	39			2	9	50			1	55	27			1	8	31			0	1	34			0	40
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29	40	1	2	16			1	50	2			2	9	52			1	55	9			1	7	51			0	0	47			0	20
29	50	1	2	36			1	50	14			2	9	53			1	54	[illegible]			1	7	31			0	0	24			0	10
30	0	1	2	56			1	50	26	1	9	2	9	54			1	54	[illegible]	1	[illegible]	1	7	11	2	1	0	0	0			0	0
		Signa 11					Signa 10					Signa 9					Signa 8					Signa 7					Signa 6						

Tabula veri motus solis in horis et minutis



h	m	g	m	g	m	g	m	g	m	g	m	g	m	g	m
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0	3	0	7	0	7	0	7	0	7	0	8	0	8	0	8
0	4	0	10	0	10	0	10	0	10	0	10	0	10	0	10
0	5	0	12	0	12	0	12	0	12	0	13	0	13	0	13
0	6	0	14	0	14	0	14	0	14	0	15	0	15	0	15
0	7	0	17	0	17	0	17	0	17	0	18	0	18	0	18
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0	9	0	21	0	21	0	22	0	22	0	23	0	23	0	23
0	10	0	24	0	24	0	24	0	25	0	25	0	26	0	26
0	11	0	26	0	26	0	27	0	27	0	28	0	28	0	28
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0	13	0	31	0	31	0	31	0	32	0	33	0	33	0	33
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0	15	0	36	0	36	0	36	0	37	0	38	0	38	0	38
0	16	0	38	0	38	0	39	0	39	0	40	0	41	0	41
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0	18	0	43	0	43	0	44	0	44	0	45	0	46	0	46
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0	21	0	50	0	50	0	51	0	52	0	53	0	54	0	54
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0	23	0	55	0	55	0	56	0	57	0	58	0	59	0	59
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1	30	3	34	3	35	3	38	3	42	3	46	3	50	3	51
2	0	4	45	4	47	4	50	4	56	5	1	5	6	5	8
2	30	5	56	5	58	6	3	6	9	6	17	6	23	6	27
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3	30	8	19	8	22	8	28	8	37	8	47	8	56	8	58
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6	0	14	15	14	20	14	31	14	47	15	5	15	18	15	23
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9	0	21	23	21	30	21	46	22	10	22	37	22	57	23	4
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12	30	29	41	29	51	30	14	30	45	31	25	31	53	32	2
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13	30	32	4	32	14	32	35	33	15	33	56	34	26	34	36
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Tabula equationum

Argumentum

Sig.	Gr.	Equatio centri		Minuta			Equatio argumenti			Equatio centri	Diversitas diametri						Latitudo	Equatio argumenti		
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0	20	0	3	0	0	1	0	1	36	4 26	3	1	11	2	18	48	12	4	5	59
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0	50	0	8	0	0	3	0	3	59	4 31	3	1	12	2	21	1	13	4	7	20
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6	0	0	53	0	0	14	0	28	28	5 15	4	1	23	2	42	24	15	4	20	27
6	10	0	55	0	0	15	0	29	16	5 16	4	1	23	2	43	2	15	4	20	51
6	20	0	56	0	0	15	0	30	3	5 18	4	1	24	2	43	42	15	4	21	41
6	30	0	58	0	0	15	0	30	50	5 19	5	1	24	2	44	22	16	4	21	38
6	40	0	59	0	0	16	0	31	37	5 21	5	1	24	2	45	2	16	4	22	1
6	50	1	1	0	0	16	0	32	24	5 23	5	1	24	2	45	42	16	4	22	24
7	0	1	2	0	0	17	0	33	11	5 24	5	1	24	2	46	22	16	4	22	47
7	10	1	4	0	0	17	0	33	59	5 26	5	1	25	2	47	2	16	4	23	10
7	20	1	5	0	0	17	0	34	46	5 27	5	1	26	2	47	42	16	4	23	33
7	30	1	7	0	0	18	0	35	33	7 29	5	1	26	2	48	21	16	4	23	55

Centrum

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Centrum Signa	Gradus	[illegible]	Equacio argumenti G	M	2	Equacio centri	Diversitas diametri G	M	2	[illegible]	Equacio argumenti G	M	2
0	0	26	4	55	54	43	4	27	0	55	2	39	37
0	10	26	4	55	58	43	4	26	37	55	2	38	48
0	20	26	4	56	2	43	4	26	14	55	2	38	1
0	30	26	4	56	6	43	4	25	50	55	2	37	14
0	40	26	4	56	10	43	4	25	26	56	2	36	27
0	50	27	4	56	14	43	4	25	2	56	2	35	40
1	0	27	4	56	18	43	4	24	38	56	2	34	52
1	10	27	4	56	22	43	4	24	14	56	2	34	4
1	20	27	4	56	25	43	4	23	50	56	2	33	15
1	30	27	4	56	28	43	4	23	26	56	2	32	30
1	40	27	4	56	31	44	4	23	1	56	2	31	42
1	50	27	4	56	34	44	4	22	36	56	2	30	54
2	0	27	4	56	37	44	4	22	11	56	2	30	6
2	10	27	4	56	39	44	4	21	46	56	2	29	18
2	20	27	4	56	41	44	4	21	21	56	2	28	30
2	30	27	4	56	43	44	4	20	56	56	2	27	42
2	40	28	4	56	45	44	4	20	30	56	2	26	54
2	50	28	4	56	47	44	4	20	4	56	2	26	6
3	0	28	4	56	49	44	4	19	38	56	2	25	18
3	10	28	4	56	50	44	4	19	12	56	2	24	30
3	20	28	4	56	51	44	4	18	46	56	2	23	42
3	30	28	4	56	52	44	4	18	19	56	2	22	53
3	40	28	4	56	53	45	4	17	52	56	2	22	4
3	50	28	4	56	54	45	4	17	27	56	2	21	16
4	0	28	4	56	55	45	4	16	58	56	2	20	28
4	10	28	4	56	56	45	4	16	31	56	2	19	34
4	20	28	4	56	57	45	4	16	4	56	2	18	47
4	30	28	4	56	58	45	4	15	37	56	2	17	56
4	40	29	4	56	59	45	4	15	9	57	2	17	6
4	50	29	4	56	0	45	4	14	41	57	2	16	16
5	0	29	4	56	0	45	4	14	13	57	2	15	26
5	10	29	4	56	0	45	4	13	45	57	2	14	36
5	20	29	4	56	0	45	4	13	17	57	2	13	46
5	30	29	4	56	59	45	4	12	49	57	2	12	56
5	40	30	4	56	58	45	4	12	21	57	2	12	6
5	50	30	4	56	57	45	4	11	52	57	2	11	16
6	0	30	4	56	56	45	4	11	23	57	2	10	26
6	10	30	4	56	54	45	4	10	54	57	2	9	36
6	20	30	4	56	52	45	4	10	25	57	2	8	46
6	30	30	4	56	50	45	4	9	56	57	2	7	56
6	40	31	4	56	48	46	4	9	27	57	2	7	4
6	50	31	4	56	46	46	4	8	58	57	2	6	13
7	0	31	4	56	43	46	4	8	28	57	2	5	22
7	10	31	4	56	40	46	4	7	59	57	2	4	32
7	20	31	4	56	37	46	4	7	29	57	2	3	41
7	30	31	4	56	38	46	4	7	0	57	2	2	50

Centrum

Signa		0		1			2			Centrum argumentum
Argumentum		Minuta proportionalia	Equacio argumenti	Equacio centri	Equacio argumenti		Diversitas diametri	Longitudo		
G	M	M	S G M	G	S G M		G	S G M		
7	30	0	0 34 33	5	2 48 4		16	4 23 47		
7	40	0	0 36 20	5	2 49 0		16	4 24 18		
7	50	0	0 37 7	5	2 49 45		16	4 24 49		
8	0	0	0 37 54	5	2 50 19		16	4 25 2		
8	10	0	0 38 42	5	2 50 49		16	4 25 24		
8	20	0	0 39 29	5	2 51 38		16	4 25 46		
8	30	0	0 40 16	5	2 52 27		16	4 26 8		
8	40	0	0 41 3	5	2 53 16		16	4 26 30		
8	50	0	0 41 50	5	2 53 44		16	4 26 51		
9	0	0	0 42 37	5	2 54 52		16	4 27 12		
9	10	0	0 43 24	5	2 55 43		16	4 27 33		
9	20	0	0 44 11	5	2 56 32		16	4 27 54		
9	30	0	0 44 58	5	2 56 11		16	4 28 17		
9	40	0	0 45 45	5	2 56 40		17	4 28 36		
9	50	0	0 46 32	5	2 57 29		17	4 28 57		
10	0	0	0 47 19	5	2 58 7		17	4 29 18		
10	10	0	0 48 6	5	2 58 56		17	4 29 39		
10	20	0	0 48 53	5	2 59 45		17	4 30 0		
10	30	0	0 49 40	5	3 0 3		17	4 30 20		
10	40	0	0 50 27	5	3 0 41		17	4 30 40		
10	50	0	0 51 14	6	3 1 20		17	4 31 0		
11	0	0	0 52 0	6	3 1 48		17	4 31 20		
11	10	0	0 52 47	6	3 2 36		17	4 31 40		
11	20	0	0 53 34	6	3 3 24		17	4 32 0		
11	30	0	0 54 21	6	3 3 52		17	4 32 20		
11	40	1	0 55 8	6	3 4 30		18	4 32 39		
11	50	1	0 55 55	6	3 5 8		18	4 32 59		
12	0	1	0 56 41	6	3 5 46		18	4 33 18		
12	10	1	0 57 28	6	3 6 24		18	4 33 37		
12	20	1	0 58 14	6	3 7 2		18	4 33 56		
12	30	1	0 59 1	6	3 7 40		18	4 34 14		
12	40	1	0 59 47	6	3 8 17		18	4 34 33		
12	50	1	1 0 34	6	3 8 54		18	4 34 52		
13	0	1	1 1 20	6	3 9 31		18	4 35 11		
13	10	1	1 2 7	6	3 10 8		18	4 35 29		
13	20	1	1 2 53	6	3 10 45		18	4 35 47		
13	30	1	1 3 40	6	3 11 22		18	4 36 5		
13	40	1	1 4 26	6	3 11 59		19	4 36 23		
13	50	1	1 5 13	6	3 12 36		19	4 36 40		
14	0	1	1 5 59	6	3 13 13		19	4 36 57		
14	10	1	1 6 46	6	3 13 50		19	4 37 14		
14	20	1	1 7 32	6	3 14 27		19	4 37 37		
14	30	1	1 8 19	6	3 15 3		19	4 37 52		
14	40	1	1 9 5	7	3 15 39		19	4 38 9		
14	50	1	1 9 52	7	3 16 15		19	4 38 26		
15	0	1	1 10 38	7	3 16 51		19	4 38 43		

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Centrum argumentum

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Arg. h	Arg. m	[illegible]	Equatio argumenti G	m	2	Diversitas diametri	G	m	2	[illegible]	Equatio G	m	2	G	m
7	30	31	4	57	38	46	4	7	0	77	2	2	40	22	30
7	40	31	4	57	31	46	4	6	31	77	2	1	49	22	20
7	50	31	4	57	28	46	4	6	1	77	2	1	8	22	10
8	0	31	4	57	24	46	4	5	31	77	2	0	17	22	0
8	10	31	4	57	22	46	4	5	1	77	1	59	26	21	50
8	20	31	4	57	19	46	4	4	31	77	1	58	35	21	40
8	30	31	4	57	16	46	4	4	1	77	1	57	44	21	30
8	40	31	4	57	12	47	4	3	31	77	1	56	53	21	20
8	50	32	4	57	8	47	4	3	1	77	1	56	1	21	10
9	0	32	4	57	4	47	4	2	30	77	1	55	9	21	0
9	10	32	4	57	1	47	4	1	59	77	1	54	18	20	50
9	20	32	4	57	[illegible]	47	4	1	28	77	1	53	26	20	40
9	30	32	4	54	53	47	4	0	56	78	1	52	34	20	30
9	40	32	4	54	49	47	4	0	24	78	1	51	42	20	20
9	50	32	4	54	44	47	4	59	52	78	1	50	50	20	10
10	0	32	4	54	41	47	4	59	20	78	1	49	58	20	0
10	10	32	4	54	37	47	4	58	48	78	1	49	6	19	50
10	20	32	4	54	32	47	4	58	16	78	1	48	14	19	40
10	30	32	4	54	27	47	4	57	43	78	1	47	22	19	30
10	40	32	4	54	22	47	4	57	11	78	1	46	30	19	20
10	50	33	4	54	17	47	4	56	38	78	1	45	37	19	10
11	0	33	4	54	12	47	4	56	5	78	1	44	44	19	0
11	10	33	4	54	7	47	4	55	32	78	1	43	52	18	50
11	20	33	4	54	2	47	4	54	59	78	1	42	59	18	40
11	30	33	4	54	56	47	4	54	26	78	1	42	6	18	30
11	40	33	4	53	50	48	4	53	53	78	1	41	13	18	20
11	50	33	4	53	44	48	4	53	20	78	1	40	20	18	10
12	0	33	4	53	38	48	4	52	47	78	1	39	27	18	0
12	10	33	4	53	32	48	4	52	13	78	1	38	34	17	50
12	20	33	4	53	26	48	4	51	39	78	1	37	41	17	40
12	30	33	4	53	20	48	4	51	5	78	1	36	48	17	30
12	40	34	4	53	13	48	4	50	31	78	1	35	55	17	20
12	50	34	4	53	[illegible]	48	4	49	57	78	1	35	2	17	10
13	0	34	4	52	59	48	4	49	23	78	1	34	9	17	0
13	10	34	4	52	52	48	4	48	48	78	1	33	16	16	50
13	20	34	4	52	45	48	4	48	13	78	1	32	23	16	40
13	30	34	4	52	38	48	4	47	38	78	1	31	30	16	30
13	40	35	4	52	30	49	4	47	3	78	1	30	37	16	20
13	50	35	4	52	21	49	4	46	28	78	1	29	43	16	10
14	0	35	4	52	14	49	4	45	52	78	1	28	49	16	0
14	10	35	4	52	6	49	4	45	16	78	1	27	56	15	50
14	20	35	4	51	58	49	4	44	41	78	1	27	2	15	40
14	30	35	4	51	49	49	4	44	5	78	1	26	8	15	30
14	40	35	4	51	40	49	4	43	29	79	1	25	14	15	20
14	50	35	4	51	31	49	4	42	53	79	1	24	20	15	10
15	0	35	4	51	22	49	4	42	17	79	1	23	26	15	0

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Centrum argumentum

Gradus	Minuta	[illegible] G	Equatio argumenti G	M	2	[illegible] G	[illegible] G	M	2	[illegible] G	Equatio argumenti G	M	2
15	0	1	1	10	38	7	3	16	41	19	4	38	13
15	10	1	1	11	24	7	3	17	21	19	4	39	0
15	20	1	1	12	11	7	3	18	3	19	4	39	10
15	30	1	1	12	51	7	3	18	35	19	4	39	24
15	40	1	1	13	43	7	3	19	[illegible]	20	4	39	51
15	50	1	1	14	24	7	3	19	51	20	4	40	7
16	0	1	1	15	[illegible]	7	3	20	26	20	4	40	23
16	10	1	1	16	1	7	3	21	2	20	4	40	39
16	20	1	1	16	41	7	3	21	37	20	4	40	54
16	30	1	1	17	33	7	3	22	13	20	4	41	11
16	40	1	1	18	19	8	3	22	48	20	4	41	27
16	50	1	1	19	5	8	3	23	24	20	4	41	43
17	0	1	1	19	51	8	3	23	59	20	4	41	58
17	10	1	1	20	37	8	3	24	34	20	4	42	13
17	20	1	1	21	23	8	3	25	10	21	4	42	28
17	30	1	1	22	9	8	3	25	44	21	4	42	43
17	40	1	1	22	55	8	3	26	20	21	4	42	58
17	50	1	1	23	41	8	3	26	54	21	4	43	13
18	0	1	1	24	27	8	3	27	30	21	4	43	28
18	10	1	1	25	13	8	3	28	4	21	4	43	43
18	20	1	1	25	58	8	3	28	40	21	4	43	57
18	30	1	1	26	44	8	3	29	14	21	4	44	12
18	40	1	1	27	29	8	3	29	49	21	4	44	27
18	50	1	1	28	15	8	3	30	23	21	4	44	39
19	0	1	1	29	0	8	3	30	57	21	4	44	53
19	10	1	1	29	46	8	3	31	31	21	4	45	7
19	20	1	1	30	31	8	3	32	4	21	4	45	22
19	30	1	1	31	16	8	3	32	37	21	4	45	35
19	40	2	1	32	2	9	3	33	13	22	4	45	45
19	50	2	1	32	47	9	3	33	41	22	4	46	0
20	0	2	1	33	32	9	3	34	10	22	4	46	13
20	10	2	1	34	18	9	3	34	45	22	4	46	26
20	20	2	1	35	3	9	3	35	17	22	4	46	38
20	30	2	1	35	48	9	3	36	0	22	4	46	50
20	40	2	1	36	33	9	3	36	34	22	4	47	2
20	50	2	1	37	18	9	3	37	7	22	4	47	14
21	0	2	1	38	3	9	3	37	40	22	4	47	26
21	10	2	1	38	48	9	3	38	13	22	4	47	38
21	20	2	1	39	33	9	3	38	46	22	4	47	50
21	30	2	1	40	18	9	3	39	19	22	4	48	2
21	40	2	1	41	3	9	3	39	52	22	4	48	13
21	50	2	1	41	48	9	3	40	24	22	4	48	24
22	0	2	1	42	33	9	3	40	57	22	4	48	37
22	10	2	1	43	18	9	3	41	30	23	4	48	46
22	20	2	1	44	3	9	3	42	2	22	4	48	57
22	30	2	1	44	47	9	3	42	34	22	4	49	8

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Centrum

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G	M	G	M	minuta proportionalia	G	M	Equatio argumenti G	M	S	G	M	minuta proportionalia	G	M	Equatio argumenti G	M	S	G	M	minuta proportionalia	G	M	Equatio argumenti G	M	S	G	M
15	0	12	56	35	2	40	4	51	22	11	[illegible]	49	2	10	3	42	18	5	8	59	0	52	1	23	26	15	0
15	10	12	56	35	2	40	4	51	12	11	53	49	2	10	3	41	41	5	5	59	0	52	1	22	32	14	50
15	20	12	57	35	2	40	4	51	2	11	51	49	2	10	3	41	5	5	2	59	0	51	1	21	38	14	40
15	30	12	57	35	2	40	4	50	52	11	50	49	2	9	3	40	28	4	59	59	0	51	1	20	44	14	30
15	40	12	57	35	2	40	4	50	42	11	49	50	2	9	3	39	51	4	55	59	0	50	1	19	50	14	20
15	50	12	57	36	2	40	4	50	32	11	47	50	2	9	3	39	14	4	52	59	0	50	1	18	56	14	10
16	0	12	58	36	2	40	4	50	22	11	46	50	2	9	3	38	37	4	49	59	0	49	1	18	1	14	0
16	10	12	58	36	2	40	4	50	12	11	44	50	2	9	3	38	0	4	46	59	0	49	1	17	4	13	50
16	20	12	58	36	2	40	4	50	1	11	43	50	2	8	3	37	23	4	43	59	0	48	1	16	12	13	40
16	30	12	59	36	2	40	4	49	50	11	42	50	2	8	3	36	46	4	40	59	0	48	1	15	18	13	30
16	40	12	59	36	2	40	4	49	39	11	41	50	2	8	3	36	9	4	36	59	0	47	1	14	23	13	20
16	50	13	0	36	2	40	4	49	28	11	39	50	2	7	3	35	31	4	33	59	0	47	1	13	29	13	10
17	0	13	0	36	2	40	4	49	17	11	38	50	2	7	3	34	53	4	30	59	0	46	1	12	34	13	0
17	10	13	0	36	2	40	4	49	6	11	37	50	2	7	3	34	14	4	26	59	0	45	1	11	40	12	50
17	20	13	1	36	2	40	4	48	55	11	35	50	2	6	3	33	37	4	23	59	0	44	1	10	45	12	40
17	30	13	1	36	2	40	4	48	44	11	34	50	2	6	3	32	59	4	19	59	0	44	1	9	50	12	30
17	40	13	1	37	2	40	4	48	33	11	32	51	2	6	3	32	20	4	15	59	0	43	1	8	56	12	20
17	50	13	2	37	2	40	4	48	22	11	31	51	2	5	3	31	42	4	14	59	0	43	1	8	1	12	10
18	0	13	2	37	2	40	4	48	10	11	29	51	2	5	3	31	3	4	11	59	0	42	1	7	6	12	0
18	10	13	2	37	2	40	4	47	58	11	28	51	2	5	3	30	24	4	7	59	0	42	1	6	11	11	50
18	20	13	3	37	2	40	4	47	46	11	26	51	2	4	3	29	46	4	4	59	0	41	1	5	16	11	40
18	30	13	3	37	2	40	4	47	33	11	25	51	2	4	3	29	7	4	1	59	0	41	1	4	21	11	30
18	40	13	3	37	2	40	4	47	20	11	23	51	2	4	3	28	28	3	58	59	0	40	1	3	26	11	20
18	50	13	4	37	2	40	4	47	7	11	22	51	2	3	3	27	49	3	55	59	0	40	1	2	31	11	10
19	0	13	4	37	2	40	4	46	54	11	20	51	2	3	3	27	10	3	52	59	0	39	1	1	36	11	0
19	10	13	4	37	2	40	4	46	41	11	19	51	2	3	3	26	31	3	49	59	0	39	1	0	41	10	50
19	20	13	4	37	2	40	4	46	28	11	17	51	2	2	3	25	52	3	45	59	0	38	0	59	46	10	40
19	30	13	5	37	2	40	4	46	15	11	16	51	2	2	3	25	12	3	42	59	0	38	0	58	51	10	30
19	40	13	5	38	2	39	4	46	1	11	14	52	2	1	3	24	32	3	39	59	0	37	0	57	56	10	20
19	50	13	5	38	2	39	4	45	47	11	13	52	2	1	3	23	52	3	35	59	0	36	0	57	1	10	10
20	0	13	5	38	2	39	4	45	33	11	11	52	2	1	3	23	12	3	32	59	0	36	0	56	5	10	0
20	10	13	5	38	2	39	4	45	19	11	10	52	2	1	3	22	32	3	29	59	0	35	0	55	10	9	50
20	20	13	5	38	2	39	4	45	5	11	8	52	2	0	3	21	52	3	25	59	0	35	0	54	14	9	40
20	30	13	6	38	2	39	4	44	51	11	7	52	2	0	3	21	12	3	22	59	0	34	0	53	19	9	30
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Centrum argumenti

Centrum	Equatio centri	minuta proportionalia		Equatio argumenti		Equacio centri	Diversitas diametri		Equatio argumenti			Diversitas diametri		Equatio argumenti		Sig. Gr.
22 30	3 19	2	0 53	1 44 47	4 30	7 36	9	1 52	3 42 34		11 18	22	2 29	4 49 8	1 0	7 30
22 40	3 20	2	0 53	1 45 32		7 37	10	1 52	3 43 6		11 19	23	2 29	4 49 18		7 20
22 50	3 22	2	0 54	1 46 17		7 39	10	1 53	3 43 38		11 20	23	2 29	4 49 28		7 10
23 0	3 23	2	0 54	1 47 1	4 24	7 40	10	1 53	3 44 10		11 21	23	2 29	4 49 38		7 0
23 10	3 24	2	0 55	1 47 46		7 41	10	1 53	3 44 42		11 22	23	2 29	4 49 49		6 50
23 20	3 26	2	0 55	1 48 30		7 43	10	1 53	3 45 14		11 23	23	2 29	4 49 59		6 40
23 30	3 27	2	0 56	1 49 14		7 44	10	1 54	3 45 46		11 24	23	2 30	4 50 10		6 30
23 40	3 28	2	0 56	1 49 59		7 45	10	1 54	3 46 18	36	11 25	23	2 30	4 50 20		6 20
23 50	3 30	2	0 57	1 50 43		7 46	10	1 54	3 46 49		11 26	23	2 30	4 50 31		6 10
24 0	3 31	2	0 57	1 51 27		7 48	10	1 54	3 47 20		11 27	23	2 30	4 50 41		6 0
24 10	3 33	2	0 57	1 52 12		7 49	10	1 54	3 47 51		11 28	23	2 30	4 50 51		5 50
24 20	3 34	2	0 58	1 52 56		7 51	10	1 55	3 48 22		11 29	23	2 30	4 51 1		5 40
24 30	3 36	2	0 58	1 53 40		7 52	10	1 55	3 48 53		11 30	23	2 31	4 51 11	[illegible]	5 30
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26 0	3 49	3	1 1	2 0 16		8 4	11	1 58	3 53 29		11 [illegible]	24	2 32	4 52 28		4 0
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26 40	3 54	3	1 2	2 3 10		8 9	11	1 58	3 55 30		11 [illegible]	24	2 33	4 52 57		3 20
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30 0	4 23	3	1 10	2 17 29		8 36	12	2 3	4 5 4		11 50	26	2 36	4 54 54		0 0
	Sig. Gr.		Sig. Gr.			Sig. Gr.	Sig. Gr.				Sig. Gr.	Sig. Gr.				

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Centrum argumenti

minuta		G	m	minuta proportionalia	G	m	Equatio argumenti			2	3	G	m	minuta proportionalia	G	m	Equatio argumenti			2	3	G	m	minuta proportionalia	G	m	equatio argumenti			2	3	G	m
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22	50	13	8	39	2	38	4	41	13			10	44	53	1	54	3	11	32			2	37	60	0	26	0	40	19			7	10
23	0	13	8	39	2	38	4	40	56			10	43	53	1	54	3	10	50			2	32	60	0	25	0	39	23			7	0
23	10	13	8	39	2	38	4	40	40			10	42	53	1	54	3	10	8			2	29	60	0	24	0	38	27			6	50
23	20	13	8	39	2	38	4	40	23			10	40	53	1	53	3	9	26			2	24	60	0	24	0	37	31			6	40
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23	40	13	8	40	2	37	4	39	49			10	36	53	1	52	3	8	1			2	18	60	0	22	0	35	39			6	20
23	50	13	9	40	2	37	4	39	32			10	34	53	1	52	3	7	18			2	14	60	0	22	0	34	43			6	10
24	0	13	9	40	2	37	4	39	15			10	33	53	1	51	3	6	37			2	11	60	0	21	0	33	47			6	0
24	10	13	9	40	2	37	4	38	58			10	31	53	1	51	3	5	52			2	8	60	0	21	0	32	51			5	50
24	20	13	9	40	2	37	4	38	41	1	48	10	30	53	1	50	3	5	9			2	4	60	0	20	0	31	55			5	40
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26	20	13	8	41	2	36	4	34	59			10	8	54	1	45	2	56	23	4	30	1	22	60	0	14	0	20	41			3	40
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27	20	13	7	41	2	35	4	32	59			9	56	54	1	42	2	51	51			1	0	60	0	10	0	15	4			2	40
27	30	13	7	41	2	34	4	32	38			9	54	54	1	42	2	51	4			1	46	60	0	10	0	14	7			2	30
27	40	13	6	42	2	34	4	32	17			9	52	54	1	41	2	50	19	4	36	1	42	60	0	9	0	13	11			2	20
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28	10	13	6	42	2	34	4	31	12			9	46	55	1	40	2	48	4			0	[illegible]	60	0	7	0	10	22			1	50
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28	40	13	5	42	2	33	4	30	6	2	18	9	41	55	1	39	2	45	47			0	34	60	0	5	0	7	33			1	20
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30	0	13	4	43	2	31	4	27	0			9	22	55	1	35	2	39	24			0	0	60	0	0	0	0	0			0	0

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Tabula veri motus lune in hora et minute

Argumentum lune signa

h	G m	G m	G m	G m	G m	G m	G m	G m	G m	G m	G m	G m	G m
1	0 30	[illegible]	0 31	[illegible]	0 31	[illegible]	0 33	[illegible]	0 34	[illegible]	0 36	[illegible]	0 36
2	1 1	[illegible]	1 1	[illegible]	1 3	[illegible]	1 5	[illegible]	1 8	[illegible]	1 11	[illegible]	1 12
3	1 31	[illegible]	1 32	[illegible]	1 34	[illegible]	1 38	[illegible]	1 43	[illegible]	1 47	[illegible]	1 48
4	2 1	[illegible]	2 3	[illegible]	2 6	[illegible]	2 11	[illegible]	2 17	[illegible]	2 22	[illegible]	2 24
5	2 32	[illegible]	2 33	[illegible]	2 37	[illegible]	2 44	[illegible]	2 51	[illegible]	2 58	[illegible]	3 0
6	3 2	[illegible]	3 4	[illegible]	3 9	[illegible]	3 16	[illegible]	3 25	[illegible]	3 33	[illegible]	3 36
7	3 32	[illegible]	3 34	[illegible]	3 40	[illegible]	3 49	[illegible]	4 0	[illegible]	4 9	[illegible]	4 12
8	4 3	[illegible]	4 5	[illegible]	4 12	[illegible]	4 22	[illegible]	4 34	[illegible]	4 44	[illegible]	4 48
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33	16 41	[illegible]	16 51	[illegible]	17 18	[illegible]	18 0	[illegible]	18 49	[illegible]	19 32	[illegible]	19 49
34	17 11	[illegible]	17 22	[illegible]	17 49	[illegible]	18 33	[illegible]	19 23	[illegible]	20 7	[illegible]	20 24
35	17 42	[illegible]	17 52	[illegible]	18 21	[illegible]	19 6	[illegible]	19 57	[illegible]	20 43	[illegible]	21 1
36	18 12	[illegible]	18 23	[illegible]	18 52	[illegible]	19 38	[illegible]	20 32	[illegible]	21 18	[illegible]	21 37
37	18 43	[illegible]	18 53	[illegible]	19 24	[illegible]	20 11	[illegible]	21 6	[illegible]	21 54	[illegible]	22 13
38	19 13	[illegible]	19 24	[illegible]	19 55	[illegible]	20 44	[illegible]	21 40	[illegible]	22 29	[illegible]	22 49
39	19 43	[illegible]	19 55	[illegible]	20 27	[illegible]	21 17	[illegible]	22 14	[illegible]	23 5	[illegible]	23 29
40	20 13	[illegible]	20 27	[illegible]	20 58	[illegible]	21 49	[illegible]	22 49	[illegible]	23 40	[illegible]	24 1
41	20 44	[illegible]	20 56	[illegible]	21 29	[illegible]	22 22	[illegible]	23 23	[illegible]	24 16	[illegible]	24 37
42	21 14	[illegible]	21 27	[illegible]	22 1	[illegible]	22 55	[illegible]	23 57	[illegible]	24 51	[illegible]	25 13
43	21 45	[illegible]	21 57	[illegible]	22 32	[illegible]	23 28	[illegible]	24 31	[illegible]	25 27	[illegible]	25 49
44	22 15	[illegible]	22 28	[illegible]	23 4	[illegible]	24 0	[illegible]	25 6	[illegible]	26 2	[illegible]	26 24
45	22 45	[illegible]	22 59	[illegible]	23 35	[illegible]	24 33	[illegible]	25 40	[illegible]	26 38	[illegible]	27 1
46	23 16	[illegible]	23 29	[illegible]	24 7	[illegible]	25 6	[illegible]	26 14	[illegible]	27 13	[illegible]	27 37
47	23 46	[illegible]	24 0	[illegible]	24 38	[illegible]	25 38	[illegible]	26 48	[illegible]	27 49	[illegible]	28 13
48	24 16	[illegible]	24 30	[illegible]	25 10	[illegible]	26 11	[illegible]	27 22	[illegible]	28 24	[illegible]	28 49
49	24 46	[illegible]	25 1	[illegible]	25 41	[illegible]	26 44	[illegible]	27 57	[illegible]	29 0	[illegible]	29 24
50	25 17	[illegible]	25 32	[illegible]	26 13	[illegible]	27 17	[illegible]	28 31	[illegible]	29 34	[illegible]	30 1
51	25 47	[illegible]	26 2	[illegible]	26 44	[illegible]	27 49	[illegible]	29 5	[illegible]	30 11	[illegible]	30 37
52	26 17	[illegible]	26 33	[illegible]	27 16	[illegible]	28 22	[illegible]	29 39	[illegible]	30 47	[illegible]	31 13
53	26 48	[illegible]	27 4	[illegible]	27 47	[illegible]	28 55	[illegible]	30 13	[illegible]	31 21	[illegible]	31 49
54	27 18	[illegible]	27 34	[illegible]	28 18	[illegible]	29 28	[illegible]	30 48	[illegible]	31 56	[illegible]	32 24
55	27 48	[illegible]	28 5	[illegible]	28 50	[illegible]	30 0	[illegible]	31 22	[illegible]	32 32	[illegible]	33 1
56	28 19	[illegible]	28 36	[illegible]	29 21	[illegible]	30 33	[illegible]	31 56	[illegible]	33 7	[illegible]	33 37
57	28 49	[illegible]	29 6	[illegible]	29 53	[illegible]	31 6	[illegible]	32 30	[illegible]	33 43	[illegible]	34 13
58	29 19	[illegible]	29 37	[illegible]	30 24	[illegible]	31 39	[illegible]	33 4	[illegible]	34 18	[illegible]	34 49
59	29 50	[illegible]	30 7	[illegible]	30 56	[illegible]	32 11	[illegible]	33 39	[illegible]	34 54	[illegible]	35 24
60	30 20	[illegible]	30 38	[illegible]	31 27	[illegible]	32 44	[illegible]	34 13	[illegible]	35 30	[illegible]	36 1
sg	sg 2	sg 2	sg 2	sg 2	sg 2	sg 2	sg 2	sg 2	sg 2	sg 2	sg 2	sg 2	sg 2

Ascensiones recte secundum Johannem de Kunsperk

	Aries		Taurus		Gemini		Cancer		Leo		Virgo		Libra		Scorpio		Sagittarius		Capricornus		Aquarius		Pisces		
	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	
0	0	0	27	54	57	48	90	0	122	12	152	6	180	0	207	54	237	48	270	0	302	12	332	6	0
1	0	55	28	51	58	51	91	6	123	14	153	3	180	55	208	51	238	51	271	6	303	14	333	3	1
2	1	50	29	49	59	54	92	12	124	16	154	0	181	50	209	49	239	54	272	12	304	16	334	0	2
3	2	45	30	46	60	57	93	17	125	18	154	57	182	45	210	46	240	57	273	17	305	18	334	57	3
4	3	40	31	44	62	0	94	22	126	20	155	54	183	40	211	44	242	0	274	22	306	20	335	54	4
5	4	35	32	42	63	3	95	27	127	22	156	51	184	35	212	42	243	3	275	27	307	22	336	51	5
6	5	30	33	40	64	6	96	33	128	24	157	47	185	30	213	40	244	6	276	33	308	24	337	47	6
7	6	25	34	39	65	9	97	38	129	25	158	44	186	25	214	39	245	9	277	38	309	25	338	44	7
8	7	20	35	37	66	13	98	43	130	26	159	40	187	20	215	37	246	13	278	43	310	26	339	40	8
9	8	16	36	36	67	17	99	48	131	27	160	36	188	16	216	36	247	17	279	48	311	27	340	36	9
10	9	11	37	34	68	21	100	53	132	28	161	33	189	11	217	34	248	21	280	53	312	28	341	33	10
11	10	6	38	34	69	24	101	58	133	29	162	29	190	6	218	34	249	24	281	58	313	29	342	29	11
12	11	1	39	33	70	29	103	3	134	29	163	24	191	1	219	33	250	29	283	3	314	29	343	24	12
13	11	56	40	32	71	33	104	8	135	29	164	20	191	56	220	32	251	33	284	8	315	29	344	20	13
14	12	52	41	31	72	38	105	13	136	29	165	16	192	52	221	31	252	38	285	13	316	29	345	16	14
15	13	48	42	31	73	43	106	17	137	29	166	12	193	48	222	31	253	43	286	17	317	29	346	12	15
16	14	44	43	31	74	47	107	22	138	29	167	8	194	44	223	31	254	47	287	22	318	29	347	8	16
17	15	40	44	31	75	52	108	27	139	28	168	4	195	40	224	31	255	52	288	27	319	28	348	4	17
18	16	36	45	31	76	57	109	31	140	27	168	59	196	36	225	31	256	57	289	31	320	27	348	59	18
19	17	31	46	31	78	2	110	36	141	26	169	54	197	31	226	31	258	2	290	36	321	26	349	54	19
20	18	27	47	32	79	7	111	39	142	26	170	49	198	27	227	32	259	7	291	39	322	26	350	49	20
21	19	24	48	33	80	12	112	43	143	24	171	44	199	24	228	33	260	12	292	43	323	24	351	44	21
22	20	20	49	34	81	17	113	47	144	23	172	40	200	20	229	34	261	17	293	47	324	23	352	40	22
23	21	16	50	35	82	22	114	51	145	21	173	35	201	16	230	35	262	22	294	51	325	21	353	35	23
24	22	13	51	36	83	27	115	54	146	20	174	30	202	13	231	36	263	27	295	54	326	20	354	30	24
25	23	9	52	38	84	33	116	57	147	18	175	25	203	9	232	38	264	33	296	57	327	18	355	25	25
26	24	6	53	40	85	38	118	0	148	16	176	20	204	6	233	40	265	38	298	0	328	16	356	20	26
27	25	3	54	42	86	43	119	3	149	14	177	15	205	3	234	42	266	43	299	3	329	14	357	15	27
28	26	0	55	44	87	48	120	6	150	11	178	10	206	0	235	44	267	48	300	6	330	11	358	10	28
29	26	57	56	46	88	54	121	9	151	9	179	5	206	57	236	46	268	54	301	9	331	9	359	5	29
30	27	54	57	48	90	0	122	12	152	6	180	0	207	54	237	48	270	0	302	12	332	6	360	0	30

Tabula domorum Rationabilis Johannis de monte regio

Elevatio poli	vndecime G	vndecime M	12me G	12me M	Elevatio poli	vndecime G	vndecime M	12me G	12me M
1	0	29	0	51	31	16	44	27	29
2	0	59	1	43	32	17	21	28	24
3	1	29	2	35	33	18	[illegible]	29	21
4	1	59	3	27	34	19	[illegible]	30	[illegible]
5	2	29	4	19	35	19	18	31	[illegible]
6	3	0	5	11	36	20	[illegible]	32	[illegible]
7	3	31	6	4	37	21	[illegible]	33	[illegible]
8	4	2	6	57	38	22	[illegible]	34	[illegible]
9	4	32	7	49	39	22	2	[illegible]	[illegible]
10	5	3	8	41	40	22	[illegible]	[illegible]	[illegible]
11	5	34	9	33	41	23	29	36	[illegible]
12	6	5	10	26	42	24	14	37	[illegible]
13	6	36	11	18	43	25	0	38	[illegible]
14	7	7	12	11	44	25	47	39	[illegible]
15	7	38	13	4	45	26	35	40	[illegible]
16	8	9	13	57	46	27	22	41	[illegible]
17	8	41	14	50	47	28	11	42	[illegible]
18	9	13	15	43	48	29	2	43	[illegible]
19	9	45	16	36	49	29	[illegible]	44	[illegible]
20	10	18	17	30	50	30	[illegible]	45	[illegible]
21	10	51	18	23	51	31	[illegible]	46	[illegible]
22	11	24	19	17	52	32	[illegible]	47	[illegible]
23	11	58	20	11	53	33	[illegible]	48	[illegible]
24	12	32	21	5	54	34	32	[illegible]	[illegible]
25	13	6	21	59	55	35	32	[illegible]	[illegible]
26	13	42	22	53	56	36	33	[illegible]	[illegible]
27	14	18	23	48	57	37	[illegible]	[illegible]	[illegible]
28	14	54	24	43	58	38	39	[illegible]	[illegible]
29	15	30	25	38	59	39	[illegible]	[illegible]	[illegible]
30	16	7	26	33	60	40	[illegible]	[illegible]	[illegible]

Quinte ~~quarte~~ sexte
~~octave~~ none octave

none octave
quinte sexte

Tabula domorum si Capricornus et Cancer

Elevatio poli	Decime	vndecime	vndecime	12me	Elevatio	Decime	vndecime	vndecime	12me
	initium (?)	polaris		polaris			polaris		polaris
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

longitudo Romae 37 20 latitudo 42

Assensiones oblique ad latitudinem quinquaginta graduum

50

	Aries g	m	Taurus g	m	Gemini g	m	Cancer g	m	Leo g	m	Virgo g	m	Libra g	m	Scorpius g	m	Sagittarius g	m	Capricornus g	m	Aquarius g	m	Pisces g	m	
0	0	0	13	52	31	47	58	47	96	11	138	4	180	0	221	56	263	4	301	13	328	13	346	0	0
1	0	26	14	22	32	31	59	13	97	33	139	29	181	23	222	20	264	10	302	18	328	56	346	38	1
2	0	53	14	53	33	41	61	0	98	54	140	53	182	4[illegible]	223	44	265	31	303	22	329	38	347	[illegible]	2
3	1	19	15	24	34	0	62	7	100	14	142	18	183	10	226	9	267	52	304	24	330	20	347	37	3
4	1	46	15	55	34	46	63	27	101	40	143	44	184	33	227	33	269	13	305	28	331	1	348	[illegible]	4
5	2	13	16	26	35	32	64	24	103	3	145	6	186	57	228	58	270	32	306	30	331	41	348	[illegible]	5
6	2	39	16	58	36	19	65	40	104	26	146	30	188	20	230	23	271	52	307	31	332	21	349	[illegible]	6
7	3	6	17	31	37	7	66	[illegible]	105	49	147	54	189	44	231	48	273	14	308	31	333	0	349	[illegible]	7
8	3	32	18	3	37	55	67	54	107	12	149	18	191	8	233	12	274	33	309	31	333	39	350	[illegible]	8
9	3	59	18	36	38	44	69	6	108	34	150	42	192	32	234	37	275	53	310	30	334	18	350	[illegible]	9
10	4	26	19	9	39	33	70	18	109	58	152	6	193	56	236	1	277	9	311	28	334	56	351	[illegible]	10
11	4	53	19	43	40	23	71	31	111	22	153	30	195	19	237	25	278	27	312	26	335	35	351	28	11
12	5	20	20	17	41	14	72	44	112	46	154	54	196	43	238	49	279	44	313	22	336	11	351	56	12
13	5	47	20	52	42	6	73	58	114	10	156	18	198	6	240	13	281	1	314	18	336	48	352	23	13
14	6	14	21	26	42	59	75	12	115	35	157	42	199	30	241	37	282	17	315	13	337	24	352	51	14
15	6	42	22	1	43	53	76	27	116	59	159	6	200	54	243	1	283	33	316	[illegible]	337	59	353	18	15
16	7	9	22	36	44	47	77	43	118	23	160	30	202	18	244	26	284	48	317	1	338	34	353	46	16
17	7	37	23	12	45	42	78	59	119	47	161	55	203	42	245	50	286	2	317	54	339	8	354	13	17
18	7	[illegible]	23	47	46	38	80	16	121	11	163	[illegible]	204	[illegible]	247	[illegible]	287	16	318	[illegible]	339	43	354	[illegible]	18
19	8	33	24	24	47	34	81	33	122	34	164	[illegible]	206	30	248	[illegible]	288	29	319	[illegible]	340	[illegible]	355	7	19
20	9	0	24	59	48	32	82	51	123	59	166	4	207	54	249	[illegible]	289	42	320	[illegible]	340	51	355	32	20
21	9	28	25	35	49	30	84	9	125	23	167	28	209	18	251	24	290	58	321	16	341	[illegible]	356	[illegible]	21
22	9	57	26	12	50	29	85	27	126	48	168	52	210	42	252	48	292	1	322	9	341	57	356	[illegible]	22
23	10	26	26	50	51	29	86	46	128	12	170	16	212	6	254	11	293	12	323	[illegible]	342	29	356	[illegible]	23
24	10	54	27	29	52	29	88	6	129	37	171	40	213	30	255	[illegible]	294	20	323	[illegible]	343	[illegible]	357	[illegible]	24
25	11	24	28	9	53	30	89	26	131	2	173	[illegible]	214	54	256	[illegible]	295	[illegible]	324	[illegible]	343	[illegible]	357	[illegible]	25
26	11	53	28	49	54	32	90	47	132	27	174	27	216	18	258	[illegible]	296	[illegible]	325	[illegible]	344	[illegible]	358	[illegible]	26
27	12	23	29	30	55	34	92	8	133	51	175	50	217	42	259	[illegible]	297	[illegible]	326	[illegible]	344	[illegible]	358	[illegible]	27
28	12	52	30	12	56	36	93	29	135	16	177	14	219	7	260	[illegible]	299	[illegible]	326	[illegible]	345	[illegible]	359	[illegible]	28
29	13	22	31	[illegible]	57	[illegible]	94	[illegible]	136	41	178	37	220	31	262	[illegible]	300	7	327	[illegible]	345	38	359	[illegible]	29
30	13	52	31	47	58	47	96	11	138	4	180	0	221	56	263	[illegible]	301	13	328	13	346	0	360	0	30

51

	Aries g	m	Taurus g	m	Gemini g	m	Cancer g	m	Leo g	m	Virgo g	m	Libra g	m	Scorpius g	m	Sagittarius g	m	Capricornus g	m	Aquarius g	m	Pisces g	m	
0	0	0	13	21	30	46	57	31	94	10	137	33	180	0	222	27	264	50	301	29	328	14	346	39	0
1	0	24	13	50	31	29	58	37	96	33	138	59	181	24	223	52	266	12	302	37	329	16	346	[illegible]	1
2	0	50	14	20	32	13	59	44	97	56	140	24	182	49	224	15	266	38	303	38	330	38	347	[illegible]	2
3	1	16	14	50	32	57	60	51	99	19	141	50	183	13	226	[illegible]	267	56	304	41	331	19	347	[illegible]	3
4	1	41	15	20	33	42	61	59	100	42	143	[illegible]	184	38	228	8	268	18	305	44	331	59	348	[illegible]	4
5	2	7	15	50	34	27	63	8	102	6	144	[illegible]	186	3	229	[illegible]	270	39	306	46	332	38	349	[illegible]	5
6	2	32	16	21	35	13	64	18	103	30	146	6	187	28	230	[illegible]	271	59	307	47	333	16	349	[illegible]	6
7	2	58	16	53	36	0	65	29	104	54	147	31	189	52	232	29	272	19	308	48	333	54	350	[illegible]	7
8	3	24	17	24	36	48	66	40	106	19	148	56	191	16	233	51	274	39	309	46	334	32	350	29	8
9	3	50	17	57	37	36	67	52	107	42	150	21	192	40	235	11	275	58	310	44	335	10	351	[illegible]	9
10	4	16	18	28	38	27	69	[illegible]	109	2	151	46	194	6	236	54	277	17	311	42	335	47	351	20	10
11	4	42	19	[illegible]	39	[illegible]	70	19	110	32	153	11	195	30	238	8	278	39	312	39	336	23	351	[illegible]	11
12	5	8	19	[illegible]	40	[illegible]	71	30	111	57	154	36	196	[illegible]	239	33	279	52	313	39	337	[illegible]	352	[illegible]	12
13	5	34	20	[illegible]	41	[illegible]	72	44	113	22	156	1	198	20	240	[illegible]	280	10	314	30	338	[illegible]	352	[illegible]	13
14	6	0	20	40	42	48	73	59	114	47	157	26	199	44	242	[illegible]	282	28	315	24	338	11	353	8	14
15	6	26	21	14	42	54	75	14	116	12	158	50	201	10	243	48	283	[illegible]	316	19	338	[illegible]	353	[illegible]	15
16	6	52	21	49	43	39	76	32	117	37	160	15	202	38	245	13	284	1	317	20	339	[illegible]	354	[illegible]	16
17	7	19	22	24	44	30	77	[illegible]	119	2	161	[illegible]	203	59	246	38	286	16	318	5	340	13	354	[illegible]	17
18	7	46	23	1	45	29	79	[illegible]	120	27	163	[illegible]	205	28	248	2	287	30	319	[illegible]	340	[illegible]	354	[illegible]	18
19	8	13	23	37	46	21	80	29	121	52	164	[illegible]	206	49	249	28	288	43	319	[illegible]	341	49	355	[illegible]	19
20	8	40	24	13	47	18	81	44	123	18	166	[illegible]	208	14	250	53	289	56	320	[illegible]	342	32	355	[illegible]	20
21	9	7	24	52	48	16	83	[illegible]	124	43	167	[illegible]	209	39	252	18	290	8	321	28	342	[illegible]	356	[illegible]	21
22	9	34	25	29	49	14	84	[illegible]	126	9	168	44	211	4	253	42	292	20	322	12	343	30	356	36	22
23	10	2	26	8	50	13	85	[illegible]	127	34	170	8	212	29	255	6	293	31	323	[illegible]	343	[illegible]	357	[illegible]	23
24	10	30	26	44	51	13	87	[illegible]	129	1	171	33	213	54	256	30	294	[illegible]	324	[illegible]	344	[illegible]	357	28	24
25	10	58	27	22	52	14	88	21	130	26	172	57	215	20	257	54	295	55	325	33	345	0	357	[illegible]	25
26	11	26	28	1	53	16	89	44	131	52	174	22	216	44	259	15	296	1	326	18	345	[illegible]	358	[illegible]	26
27	11	55	28	41	54	19	91	4	133	17	175	47	218	10	260	44	298	9	327	3	346	[illegible]	358	[illegible]	27
28	12	23	29	22	55	20	92	26	134	43	177	11	219	36	262	4	299	16	327	47	346	[illegible]	359	[illegible]	28
29	12	52	30	4	56	26	93	48	136	8	178	36	221	1	263	27	300	23	328	31	347	10	359	37	29
30	12	21	30	46	57	31	94	10	137	33	180	0	222	27	264	50	301	29	328	14	347	39	360	0	30

30

	Aries	Taurus	Gemini	Cancer	Leo	Virgo	Libra	Scorpio	Sagittarius	Capricornus	Aquarius	Pisces	
0	0 0	21 9	44 32	74 28	108 56	144 24	180 0	214 39	250 4	288 32	314 28	338 51	0
1	0 45	21 54	45 24	75 34	109 7	145 31	181 8	217 44	251 51	287 31	315 21	339 37	1
2	1 22	22 39	46 22	76 10	111 18	146 [illegible]	182 11	216 44	252 20	286 44	316 14	340 14	2
3	1 3	23 30	47 17	77 40	112 29	147 41	183 26	218 9	253 31	287 46	317 7	341 3	3
4	2 44	24 9	48 12	78 46	113 40	148 1	184 34	219 19	254 44	288 41	318 0	341 44	4
5	3 26	24 54	49 7	79 54	114 51	150 11	185 44	220 30	255 49	289 44	318 53	342 31	5
6	4 5	26 40	50 3	80 59	117 2	151 21	186 53	221 40	257 10	290 48	319 44	343 14	6
7	4 48	27 21	51 0	82 6	118 13	152 31	188 2	222 51	258 20	292 1	320 37	343 51	7
8	5 30	28 13	52 57	83 14	118 24	153 41	189 11	224 1	259 31	293 4	321 26	344 40	8
9	6 11	28 0	42 45	84 21	119 27	154 51	190 20	224 12	260 41	294 7	322 11	345 23	9
10	6 53	29 41	43 51	84 29	120 41	155 0	191 29	226 23	261 51	295 9	323 7	346 8	10
11	7 34	30 34	44 50	86 29	121 48	157 10	192 38	227 33	262 1	296 10	323 57	346 54	11
12	8 16	31 22	55 54	87 54	122 5	158 19	193 44	228 44	264 11	297 11	324 41	347 31	12
13	8 58	31 9	56 50	88 58	124 21	159 28	194 56	229 47	264 21	298 12	324 30	348 14	13
14	9 40	32 57	57 54	90 2	125 32	160 31	196 5	231 6	266 31	299 13	325 26	348 56	14
15	10 22	33 44	58 54	91 11	126 43	161 46	197 14	232 11	267 40	300 14	326 41	349 38	15
16	11 4	34 34	59 54	92 20	127 54	162 55	198 32	233 28	268 49	301 13	328 3	340 20	16
17	11 46	34 44	60 44	93 29	128 7	163 4	199 32	234 39	269 58	302 12	328 51	341 2	17
18	12 29	35 13	61 54	94 39	130 16	164 13	200 41	235 41	271 6	303 11	329 38	341 44	18
19	13 11	36 3	62 50	95 49	131 27	165 22	201 50	237 2	272 11	304 10	330 26	342 26	19
20	13 54	37 44	63 41	96 49	132 37	167 31	203 0	238 13	273 23	305 9	331 13	343 7	20
21	14 37	38 24	64 43	98 9	133 48	168 40	204 9	239 27	274 31	306 6	332 0	343 49	21
22	15 20	39 32	64 46	98 19	134 59	169 49	205 19	240 30	275 39	307 3	332 44	344 30	22
23	16 3	40 24	66 44	100 29	136 9	170 58	206 29	241 40	276 48	308 0	333 33	345 12	23
24	16 46	41 31	67 21	101 30	137 24	171 7	207 39	242 44	277 57	308 57	334 24	345 53	24
25	17 29	42 9	69 4	102 40	138 30	172 16	208 44	243 29	279 1	309 53	334 6	346 38	25
26	18 13	42 0	69 10	104 4	139 [illegible]	174 24	209 49	244 11	280 8	310 48	335 41	347 16	26
27	18 57	43 44	71 41	104 12	140 41	175 38	211 4	246 11	281 14	311 44	336 30	347 57	27
28	19 41	44 44	72 42	106 18	141 1	176 38	212 14	246 22	282 20	312 38	337 7	348 38	28
29	20 25	44 39	73 13	107 23	143 11	177 42	213 24	248 13	283 26	313 33	338 0	349 19	29
30	21 9	44 32	74 28	108 56	144 24	180 0	214 39	250 4	288 32	314 28	338 51	360 0	30

31

	Aries	Taurus	Gemini	Cancer	Leo	Virgo	Libra	Scorpio	Sagittarius	Capricornus	Aquarius	Pisces	
0	0 0	20 43	44 2	74 41	109 26	144 7	180 0	214 44	250 34	284 9	314 58	339 17	0
1	0 40	21 31	44 46	74 56	110 21	146 16	181 9	216 7	251 46	286 14	315 51	339 51	1
2	1 21	22 21	46 40	77 2	111 44	147 26	182 18	217 16	242 40	287 19	316 44	340 34	2
3	2 1	23 5	47 49	78 8	113 0	148 37	183 28	218 27	243 9	288 24	317 37	341 18	3
4	2 42	23 50	48 40	79 51	114 11	149 47	184 37	219 38	244 20	289 28	318 29	342 2	4
5	3 23	24 34	49 37	80 22	117 23	140 51	184 47	220 49	246 31	290 32	319 5	342 47	5
6	4 4	24 20	40 31	81 29	116 34	142 8	186 46	222 0	247 42	291 34	320 4	343 28	6
7	4 45	26 6	41 37	82 37	117 44	143 18	188 7	223 11	248 43	292 38	321 3	344 11	7
8	5 26	26 52	42 44	83 44	118 57	144 28	189 17	224 22	250 3	293 41	321 54	344 53	8
9	6 7	27 38	43 21	84 53	120 8	144 38	190 24	224 33	261 14	294 44	322 48	345 36	9
10	6 48	28 24	44 18	86 1	121 20	146 48	191 34	226 44	262 24	294 48	323 34	346 18	10
11	7 29	29 12	44 16	87 10	122 31	147 48	192 43	227 56	263 34	296 44	324 24	347 0	11
12	8 10	29 59	46 14	88 19	123 43	149 6	193 43	229 1	264 44	297 44	327 13	347 42	12
13	8 51	30 46	47 13	89 28	124 54	160 18	194 2	230 18	267 44	298 48	326 2	348 23	13
14	9 32	31 33	48 12	90 37	126 7	161 28	196 12	231 29	267 4	299 48	326 41	349 4	14
15	10 14	32 21	49 12	91 46	127 19	162 38	197 22	232 41	268 14	300 44	327 39	349 46	15
16	10 44	33 9	60 12	92 56	128 31	163 48	198 32	233 43	269 23	301 40	328 21	340 28	16
17	11 37	33 58	61 12	94 6	129 44	164 48	199 42	234 4	270 32	302 41	329 14	341 9	17
18	12 18	34 47	62 13	94 16	130 53	166 7	200 52	236 11	271 41	303 44	330 1	341 40	18
19	13 0	37 36	63 14	96 26	132 4	167 17	202 2	237 29	272 40	304 44	330 48	342 31	19
20	13 42	36 26	64 41	97 36	133 41	168 26	203 12	238 40	273 49	304 42	331 43	343 12	20
21	14 24	36 16	64 11	98 46	134 24	169 36	204 22	239 42	274 7	306 34	332 22	343 43	21
22	15 7	38 6	66 18	99 54	137 38	170 44	204 32	241 3	276 41	307 36	333 8	344 24	22
23	15 49	38 51	67 22	101 7	136 49	171 44	206 44	242 41	277 23	308 33	333 44	344 41	23
24	16 32	39 44	68 24	102 18	138 0	172 4	207 44	243 20	278 31	309 29	334 40	344 56	24
25	17 14	40 39	69 28	103 23	139 11	174 13	209 3	244 31	279 28	310 24	337 24	346 31	25
26	17 57	41 31	70 32	104 44	140 22	177 23	210 13	246 49	280 49	311 20	330 10	347 18	26
27	18 40	42 23	71 36	104 41	141 33	176 32	211 23	247 0	281 42	312 41	336 44	347 49	27
28	19 24	43 16	72 41	107 3	142 46	177 42	212 32	248 12	282 48	313 10	337 39	348 39	28
29	20 7	44 9	73 46	108 12	143 44	178 41	213 44	249 23	284 4	314 4	338 23	349 20	29
30	20 43	44 7	74 41	109 26	144 7	180 0	214 44	250 24	284 9	314 48	338 1	360 0	30

	Aries	Taurus	Gemini	Cancer	Leo	Virgo	Libra	Scorpio	Sagittarius	Capricornus	Aquarius	Pisces	
	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	
0	0 0	[illegible]	34 25	63 12	[illegible] 55	134 46	180 0	220 5	260 12	296 [illegible]	325 36	355 16	0
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	180 0	220 [illegible]	[illegible]	[illegible]	[illegible]	360 0	30

57

	Aries	Taurus	Gemini	Cancer	Leo	Virgo	Libra	Scorpio	Sagittarius	Capricornus	Aquarius	Pisces	
	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	
0	0 [illegible]	[illegible]	[illegible]	62 12	98 48	134 30	180 0	220 30	261 12	291 [illegible]	[illegible]	[illegible]	0
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	180 0	220 30	[illegible]	[illegible]	[illegible]	360 0	30

Tabula declinacionum planetarum de motu zodiaci

Cancer — Gemini

	Latitudo septentrionalis									Latitudo meridiana								
g	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	
	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g
0	31 30	30 30	29 30	28 30	27 30	26 30	25 30	24 30	23 30	22 30	21 30	20 30	19 30	18 30	17 30	16 30	15 30	30
1	31 30	30 30	29 30	28 30	27 30	26 30	25 30	24 30	23 30	22 30	21 30	20 30	19 30	18 30	17 30	16 30	15 30	29
2	31 29	30 29	29 29	28 29	27 29	26 29	25 29	24 29	23 29	22 29	21 29	20 29	19 29	18 29	17 29	16 29	15 29	28
3	31 28	30 28	29 28	28 28	27 28	26 28	25 28	24 28	23 28	22 28	21 28	20 28	19 28	18 28	17 28	16 28	15 28	27
4	31 26	30 26	29 26	28 26	27 26	26 26	25 26	24 26	23 26	22 26	21 26	20 26	19 26	18 26	17 26	16 26	15 26	26
5	31 24	30 24	29 24	28 24	27 24	26 24	25 24	24 24	23 24	22 24	21 24	20 24	19 24	18 24	17 24	16 24	15 24	25
6	31 21	30 21	29 21	28 21	27 21	26 22	25 22	24 22	23 22	22 22	21 22	20 22	19 22	18 22	17 22	16 22	15 22	24
7	31 18	30 18	29 18	28 18	27 19	26 19	25 19	24 19	23 19	22 19	21 19	20 19	19 19	18 19	17 19	16 19	15 19	23
8	31 15	30 15	29 15	28 15	27 16	26 16	25 16	24 16	23 16	22 16	21 16	20 15	19 15	18 16	17 16	16 16	15 16	22
9	31 11	30 11	29 11	28 11	27 12	26 12	25 12	24 12	23 12	22 12	21 12	20 13	19 13	18 13	17 13	16 13	15 13	21
10	31 6	30 6	29 6	28 6	27 7	26 7	25 7	24 7	23 7	22 7	21 7	20 8	19 8	18 8	17 8	16 9	15 9	20
11	31 1	30 1	29 1	28 1	27 2	26 2	25 2	24 2	23 3	22 2	21 2	20 3	19 3	18 3	17 3	16 4	15 4	19
12	30 [illegible]	29 [illegible]	28 [illegible]	27 [illegible]	26 [illegible]	25 [illegible]	24 [illegible]	23 [illegible]	22 [illegible]	21 [illegible]	20 [illegible]	19 [illegible]	18 [illegible]	17 [illegible]	16 [illegible]	15 [illegible]	14 [illegible]	18
13	30 49	29 49	28 49	27 50	26 50	25 50	24 [illegible]	23 [illegible]	22 [illegible]	21 [illegible]	20 [illegible]	19 [illegible]	18 [illegible]	17 [illegible]	16 [illegible]	15 [illegible]	14 [illegible]	17
14	30 [illegible]	29 [illegible]	28 [illegible]	27 [illegible]	26 [illegible]	25 [illegible]	24 [illegible]	23 [illegible]	22 [illegible]	21 [illegible]	20 [illegible]	19 [illegible]	18 [illegible]	17 [illegible]	16 [illegible]	15 [illegible]	14 [illegible]	16
15	30 36	29 36	28 [illegible]	27 [illegible]	26 38	25 [illegible]	24 [illegible]	23 [illegible]	22 [illegible]	21 [illegible]	20 [illegible]	19 [illegible]	18 [illegible]	17 [illegible]	16 [illegible]	15 [illegible]	14 [illegible]	15
16	30 29	29 29	28 [illegible]	27 30	26 [illegible]	25 31	24 [illegible]	23 32	22 [illegible]	21 [illegible]	20 33	19 33	18 [illegible]	17 [illegible]	16 [illegible]	15 [illegible]	14 [illegible]	14
17	30 21	29 21	28 22	27 22	26 [illegible]	25 [illegible]	24 [illegible]	23 [illegible]	22 [illegible]	21 26	20 26	19 26	18 [illegible]	17 [illegible]	16 [illegible]	15 28	14 28	13
18	30 13	29 13	28 [illegible]	27 [illegible]	26 [illegible]	25 16	24 16	23 17	22 17	21 18	20 18	19 19	18 20	17 20	16 [illegible]	15 21	14 21	12
19	30 4	29 4	28 [illegible]	27 6	26 7	25 8	24 8	23 9	22 [illegible]	21 10	20 10	19 11	18 12	17 12	16 12	15 13	14 13	11
20	29 [illegible]	28 [illegible]	27 [illegible]	26 [illegible]	25 [illegible]	24 [illegible]	23 [illegible]	22 0	21 1	20 1	19 2	18 3	17 3	16 [illegible]	15 [illegible]	14 [illegible]	13 [illegible]	10
21	29 [illegible]	28 [illegible]	27 [illegible]	26 [illegible]	25 [illegible]	24 [illegible]	23 [illegible]	22 [illegible]	21 [illegible]	20 [illegible]	19 [illegible]	18 [illegible]	17 [illegible]	16 [illegible]	15 [illegible]	14 [illegible]	13 [illegible]	9
22	29 36	28 36	27 [illegible]	26 38	25 [illegible]	24 [illegible]	23 [illegible]	22 [illegible]	21 [illegible]	20 [illegible]	19 [illegible]	18 [illegible]	17 [illegible]	16 [illegible]	15 [illegible]	14 [illegible]	13 [illegible]	8
23	29 24	28 26	27 [illegible]	26 28	25 29	24 30	23 [illegible]	22 31	21 32	20 33	19 [illegible]	18 [illegible]	17 34	16 36	15 [illegible]	14 38	13 39	7
24	29 [illegible]	28 [illegible]	27 [illegible]	26 [illegible]	25 [illegible]	24 [illegible]	23 [illegible]	22 [illegible]	21 [illegible]	20 [illegible]	19 [illegible]	18 [illegible]	17 [illegible]	16 [illegible]	15 [illegible]	14 [illegible]	13 [illegible]	6
25	29 3	28 [illegible]	27 [illegible]	26 [illegible]	25 [illegible]	24 8	23 9	22 [illegible]	21 11	20 12	19 13	18 [illegible]	17 [illegible]	16 16	15 [illegible]	14 18	13 19	5
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17 31	13 33	1
30	28 0	27 2	26 3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19 13	18 [illegible]	17 [illegible]	16 [illegible]	15 [illegible]	14 [illegible]	13 [illegible]	12 23	0

[illegible]

Leo — Taurus

g	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	g
	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	
0	28 0	27 2	26 3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19 13	18 [illegible]	17 16	16 17	[illegible]	[illegible]	13 [illegible]	12 23	30
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19 0	18 2	17 3	16 4	[illegible]	[illegible]	13 [illegible]	12 11	29
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0

[illegible] descendens

latitudo septentrionalis — latitudo meridiana

Virgo

	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	30
	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	
0	18 48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
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2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
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4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19
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12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10
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21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5
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27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
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30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Pisces

Libra

	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	
	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
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13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
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18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
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30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0

Aries

	Latitudo Septentrionalis								Latitudo meridiana									
Scorpio	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	Sagittarius
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0

Sagittarius	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	Capricornus
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0

Tabula posicionum ad latitudinem

Clima	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m
32	1 26	2 52	4 15	5 44	7 12	8 39	10 [illegible]	11 36	11 35	14 [illegible]	16 [illegible]	17 [illegible]	18 [illegible]	20 [illegible]	22 [illegible]	23 [illegible]	24 [illegible]
31	24	49	14	39	7	33	9 50	[illegible]	12 [illegible]	[illegible]	[illegible]	17 [illegible]	18 [illegible]	20	21	21	[illegible]
30	24	46	10	33	58	22	46	11	31	14 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]
29	22	44	6	28	51	13	36	[illegible]	24	13 [illegible]	[illegible]	[illegible]	[illegible]	19	21	[illegible]	19
28	21	41	4 2	23	6 44	8 7	31	10 [illegible]	[illegible]	36	[illegible]	[illegible]	[illegible]	19 16	20 43	22	[illegible]
27	20	38	3 58	19	37	7 51	11	[illegible]	[illegible]	22	[illegible]	16 8	11	18 51	[illegible]	21	[illegible]
26	18	36	54	12	31	49	8	28	11 48	13 5	29	17 12	[illegible]	38	20 [illegible]	28	22 [illegible]
25	17	33	50	7	24	42	8 59	11	36	12 56	11	38	16 17	20	19 43	21 1	32
24	16	30	46	5 2	18	34	50	10 7	29	43	1	21	40	18 1	23	20 8	5
23	14	28	43	4 57	12	26	41	9 55	13	31	13 45	[illegible]	23	11 44	19 4	20 5	21 44
22	13	26	39	52	6	19	33	44	2	18	33	14 11	1	26	18 45	20 5	46
21	12	23	35	47	5 59	12	24	10 38	51	12 6	20	36	15 11	11 9	26	19 41	4
20	11	21	32	42	53	7 5	16	28	40	11 54	6	21	37	16 41	18 8	54	20 43
19	10	18	28	38	48	6 57	7	18	30	42	12 13	14 1	20	34	17 10	19 0	23
18	8	16	24	33	42	50	7 59	9	19	30	40	13 53	4	18	32	18 41	2
17	7	14	21	29	36	43	51	9 0	9	18	31	39	14 49	16 1	32	28	19 42
16	6	11	18	24	30	37	43	8 51	9 58	10 7	11	21	39	15 41	16 51	15 9	22
15	5	9	14	19	24	30	37	42	48	10 55	2	13 11	19	29	39	17 10	2
14	4	11	11	51	19	33	37	32	38	44	11 50	12 57	4	15 13	22	32	18 42
13	3	51	8	11	13	16	19	24	28	33	31	44	12 49	13 57	5	11 14	23
12	2	2	4	6	8	10	12	51	18	22	29	30	37	41	15 18	16 16	4
11	1	2 0	3 1	4 2	2	6 3	4	8 6	8	11	13	17	20	26	31	36	17 44
10	0 1 0 59	1 48	2 48	3 57	4 51	5 51	6 56	7 51	8 48	10 0	1	12 4	6	14 10	15 14	20	24
9	0 58	56	51	53	52	50	49	48	48	9 49	10 49	11 11	12 12	13 11	14 58	16 2	1
8	57	54	51	49	46	44	41	40	38	38	37	38	38	39	41	15 49	16 48
7	56	52	48	45	41	37	34	31	29	27	24	24	23	24	29	31	29
6	55	50	45	40	36	31	26	23	19	17	13	11 12	9	13 9	14 9	15 10	10
5	54	49	42	36	30	24	19	14	10	9 6	1	10 59	11 51	12 54	13 53	14 52	15 52
4	51	49	39	32	24	18	12	7 6	0	8 51	9 50	46	42	39	36	37	34
3	52	43	37	28	20	12	4	6 57	7 51	47	38	33	18	24	20	18	51
2	51	41	32	23	14	5	6 57	49	41	34	26	10 20	14	12 9	4	14 0	14 57
1	50	39	29	19	9	4 59	5 51	49	46	31	24	41	9 8	0	11 54	12 48	13 43
0	0 49	1 37	2 26	3 51	4 4	4 13	5 4	6 32	7 22	8 13	9 3	9 55	10 46	11 39	12 32	13 26	14 20

Differencia ascensionis supra terram; Differencia medium supra terram

Clima	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	0 48	1 34	2 23	3 11	3 59	4 41	5 34	6 24	7 13	8 2	8 51	9 42	10 33	11 24	12 16	13 9	14 2
2	41	33	20	7	54	40	27	51	7 2	40	30	18	9	0	12 52	13 48	
3	46	31	17	3 2	48	39	20	6 7	6 53	41	28	17	4	11 54	11 44	34	29
4	45	29	13	2 58	43	28	12	5 58	44	31	16	9 4	10 50	10 39	38	17	6
5	44	27	10	54	38	21	5	5 50	34	21	5	8 51	9 31	29	11	12 0	12 48
6	43	24	7	50	32	15	4 58	41	24	7 9	7 53	38	23	10 9	10 55	11 42	30
7	42	22	4	45	27	9	52	33	15	6 59	41	24	5	9 54	39	24	11
8	41	20	1	41	22	2 2	43	24	6	43	24	8 12	54	34	23	11	11 52
9	40	18	1 57	37	16	3 56	37	16	5 56	37	17	7 59	9 40	23	6	10 50	33
10	38	16	54	33	11	49	28	5 7	46	26	5	46	8 26	9 8	9 50	32	51
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14	34	7	41	51	49	23	3 57	32	6	42	16	6 53	8 28	8 5	42	20	9 58
15	33	5	38	11	43	16	49	22	4 56	31	4	39	7 13	7 49	27	9 2	38
16	32	3	34	6	38	9	41	13	46	19	5 51	24	58	33	8	8 43	18
17	31	0	31	2 1	32	3 3	33	4 4	37	5 8	39	6 11	43	15	7 50	23	8 58
18	30	58	27	1 57	26	2 56	25	3 51	25	4 56	26	5 53	7 28	7 0	32	8 5	38
19	28	56	24	52	20	49	17	46	14	44	13	43	6 12	6 44	14	7 48	17
20	27	53	20	48	15	41	8	36	4	32	0	29	57	27	6 56	7 27	57
21	26	51	17	43	9	35	0	26	3 53	20	4 46	5 16	5 41	6 9	38	7 7	36
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23	24	46	9	33	1 56	20	43	3 7	31	3 55	19	44	9	38	4 0	6 23	51
24	22	44	6	28	50	12	34	2 57	19	41	5	29	4 51	5 17	41	6	31
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Differencia medium supra terram; Differencia ascensionis sub terra

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	Poli
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	19	20	21	22	23	24	25	26	27	29	30	31	33				

Declinatio media subtracta

Declinatio alias subtracta

Declinatio media subtracta

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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32
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Alias declinatio subtracta

Declinatio alias subtracta

Declinatio media subtracta

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59 26	61	68	67	10	137	16	19	[illegible]	88	97	[illegible]	104	112	120	137	[illegible]	31
58 4	60	63	4	68 11	47	44 12	18	31	20	20	31	103	110	118	137	[illegible]	30
57 23	47	64	57	39	31	133	46	10	49	44	1	102	18	10	133	[illegible]	29
24	47	13	48	29	18	121	24	46	21	11	24	2	16	24	131	[illegible]	28
27	46	11	43	21	7	11	7	44	56	42	50	23	32	38	12	[illegible]	27
31	41	10	39	50	58	69 50	52	7	33	51	19	48	52	49	5	2	26
36	50	10	36	10	50	68 40	39	49	13	51	51	16	16	7	37	10	25
43	54	12	36	7	44	67 31	37	34	57	30	26	41	42	29	52	7	24
51 50	0	51	37	7	40	24	17	57	39	11	4	21	12	57	52	[illegible]	23
51 1	7	20	39	7	37	19	9	10	29	54	43	56	44	23	16	18	22
9	44	27	42	6	39	51	2	1	13	38	24	34	18	13	3	48	21
19	22	31	46	7	37	12	57	52	2	29	7	14	57	26	31	43	20
30	31	38	51	10	36	10	53	46	52	13	52	56	33	1	3	13	19
42	41	46	57	14	37	9	50	40	44	2	34	39	13	38	36	34	18
43	52	51	4	19	40	10	48	36	37	52	26	24	51	17	11	11	17
8	4	7	12	29	43	11	41	33	32	44	51	10	38	37	44	44	16
22	16	51	20	31	48	13	47	30	29	36	6	48	23	38	26	14	15
36	28	26	24	38	53	16	41	27	23	30	57	46	9	21	6	46	14
51	41	37	39	49	58	20	49	28	20	24	9	36	51	7	41	34	13
7	57	49	49 70	54	4	24	51	28	18	20	42	27	44	51	29	13	12
22	9	1	59 70	2	11	29	58	29	16	17	36	18	12	36	13	53	11
34	28	14	10	12	18	34	57	30	51	13	30	10	22	23	41	37	10
57	38	37	21	21	26	40	1	32	51	11	29	3	12	11	42	57	9
12	59	41	33	31	34	46	7	38	51	4	5	56	3	54	27	0	8
29	9	49	49	51	43	53	10	36	16	7	14	50	24	48	14	43	7
46	29	9	58	52	52	70 0	51	39	57	6	14	44	46	28	1	27	6
4	41	23	10	3	1	70 1	40	43	18	7	11	39	33	18	48	12	5
21	57	37	29	14	10	14	26	46	19	5	8	34	31	8	36	57	4
39	13	52	36	29	19	22	31	20	21	4	6	29	24	59	24	43	3
57	29	7	49	36	29	24	37	54	23	4	3	27	57	50	12	28	2
51	46	21	2	48	38	38	43	58	29	4	1	20	11	21	1	14	1
13	2	36	51	40	48	49	49	2	34	4	54	16	4	49	0	0	0
14	36	37	39	[illegible]	42	44	46	56	57	52	56	60	64	68	74	90	

35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	
33 51	58	36 51	42 8	1	58	43 13	57	48 6	29	13 4	57	[illegible]	56	37	31	44 46	1
33 9	37	38 50	39 41	22	7	43 1	1	4 40	31	52 4	57	48 7	51	31	46	32	2
32 21	51	20	38 14	33	17	8	7	14	33	51 4	52	3	44	14	14	46 17	3
31 49	7	34	7	44	26	16	12	18	31	103	50	58	37	4	2	3	4
31 2	23	49	21	59	39	23	18	21	36	2	47	53	29	54	50	8	5
30 20	39	3	32	6	44	30	23	29	37	1	44	48	22	44	37	48	6
37	59	17	49	17	53	37	28	28	38	59	41	42	14	34	24	17	7
44	10	31	57	27	2	44	33	30	39	51	37	36	5	23	11	0	8
11	36	49	9	37	10	50	17	32	39	59	33	29	56	11	56	43	9
27	40	48	20	46	18	56	41	34	34	51	28	22	46	59	41	27	10
44	59	11	31	56	27	1	44	39	38	48	22	14	36	46	29	7	11
59	9	23	41	4	32	6	47	36	36	42	16	5	29	32	9	47	12
51	23	39	51	13	38	10	49	36	34	38	9	56	13	17	51	26	13
30	36	46	1	20	43	14	51	39	31	32	1	46	59	1	32	4	14
44	48	57	10	2	48	17	51	34	27	24	52	34	49	44	12	41	15
58	0	7	18	27	53	19	51	31	22	16	43	22	30	24	50	16	16
11	12	17	26	33	56	20	50	28	17	6	32	8	13	7	27	49	17
24	23	26	33	39	54	4	48	24	10	59	14	53	54	44	2	9	18
36	33	34	39	44	0	20	49	37	2	43	6	38	37	4	39	50	19
41	42	41	44	48	1	10	49	12	52	30	11	18	13	56	7	1	20
57	50	47	48	51	1	51	36	3	41	14	34	58	40	29	39	42	21
6	57	52	51	52	59	11	29	54	59	57	51	36	24	59	2	4	22
16	4	57	53	53	56	6	21	43	51	39	54	11	56	27	26	34	23
23	10	0	54	53	52	59	11	30	57	16	32	49	26	53	46	50	24
30	14	2	54	51	46	50	59	51	41	53	7	16	52	51	3	48	25
37	17	2	51	44	38	40	46	59	51	26	39	44	16	33	17	57	26
39	18	1	47	43	29	28	31	40	58	57	8	9	36	48	26	42	27
43	19	59	42	37	18	14	17	18	33	24	34	30	52	58	30	44	28
43	17	57	37	29	7	57	52	58	34	48	57	48	4	4	28	40	29
42	14	49	26	7	49	38	30	27	36	8	16	22	11	4	4	31	30
40	9	41	41	42	31	16	[illegible]	17	19	18	30	20	22	29	29	[illegible]	31
8	9	10	10	11	12	12	13	14	16	20	20	22	26	26	[illegible]	[illegible]	32

Tabula p[ro]fectus mensurne

In diebus		In horis et minutis										
d	s	g	m	2	h	g	m	2	h	g	m	2
1	0	1	4	4	1	0	2	40	31	1	22	45
2	0	2	8	8	2	0	5	20	32	1	25	25
3		3	12	12	3		8	0	33	1	28	6
4		4	16	16	4		10	41	34	1	30	46
5		5	20	20	5		13	21	35		33	26
6		6	24	24	6		16	1	36		36	6
7		7	28	28	7		18	41	37		38	46
8		8	32	32	8		21	21	38		41	26
9		9	36	36	9		24	1	39		44	7
10		10	40	40	10		26	41	40		46	40
11		11	44	44	11		29	22	41		49	21
12		12	48	48	12		32	2	42		52	1
13		13	52	52	13		34	42	43	1	54	41
14		14	56	56	14		37	22	44	1	57	21
15		16	1	0	15		40	3	45	2	0	8
16		17	5	4	16		42	43	46	2	2	48
17		18	1	8	17		45	23	47		5	28
18		19	13	12	18		48	3	48		8	8
19		20	17	16	19	0	50	43	49		10	[illegible]
20		21	21	20	20	0	53	23	50		13	28
21		22	29	24	21	0	56	4	51		16	8
22		23	33	28	22	0	58	44	52		18	49
23		24	37	32	23	1	1	24	53		21	29
24		25	41	36	24	1	4	4	54		24	9
25		26	45	40	25		6	45	55		26	49
26		27	49	44	26		9	25	56		29	29
27	0	28	53	48	27		12	6	57		32	10
28	0	29	57	52	28	1	14	46	58		34	50
29	1	0		56	29 / 30	1	17 / 20	27 / 5	59 / 60	2	37 / 40	30 / 10
					m	m	2	3	m	m	2	3

Tabula profectus diurni

In diebus					In horis et minutis							
d	s	g	m	2	h	g	m	2	h	g	m	2
1	0	13	52	42	1	0	34	42	31	17	19	48
2	0	21	45	25	2	1	9	24	32	18	30	30
3	1	11	38	27	3	1	44	7	33	19	7	12
4	1	25	31	25	4	2	18	49	34	19	34	54
5	2	9	24	21	5	2	53	31	35	20	14	36
6	2	23	17	14	6	3	28	13	36	20	49	18
7	3	7	10	6	7	4	2	57	37	21	24	1
8	3	21	2	48	8	4	37	31	38	21	48	43
9	4	4	57	51	9	5	12	20	39	22	33	25
10	4	18	48	43	10	5	46	2	40	23	8	7
11	5	2	41	35	11	6	21	44	41	23	42	49
12	5	16	34	28	12	6	56	26	42	24	11	32
13	6	0	21	20	13	7	31	8	43	24	52	14
14	6	14	20	12	14	8	5	51	44	25	26	16
15	6	28	13	4	15	8	40	33	45	26	1	38
16	7	12	5	57	16	9	51	51	46	26	36	20
17	7	25	58	49	17	10	49	57	47	27	11	2
18	8	9	51	41	18	11	24	39	48	28	45	
19	8	23	44	34	19	12	59	4	49	28	20	27
20	9	7	31	26	20	12	34	4	50	29	57	9
21	9	21	30	19	21	13	8	46	51	30	29	11
22	10	5	23	11	22	13	43	28	52	30	4	33
23	10	19	16	3	23	14	18	10	53	31	39	47
24	11	3	8	55	24	15	52	52	54	31	13	58
25	11	17	1	48	25	15	27	34	55	32	48	4
26	0	0	54	40	26	16	2	17	56	32	23	22
27	0	14	47	32	27	16	36	59	57	33	58	4
28	0	28	40	24	28	17	11	41	58	34	32	46
29	1	12	33	17	29 / 30		46 / 21	23 / 5	59 / 60	34	7 / 42	24 / 11
						m	m	2	3	m	m	2 3

Tabula mensium p[ro]portionalium

menses	dies	h	m	2
1	28	2	17	31
2	56	4	34	42
3	84	6	52	11
4	112	9	10	28
5	140	11	28	5
6	168	13	45	42
7	196	16	3	18
8	224	18	20	55
9	252	20	38	32
10	280	22	56	9
11	309	1	13	46
12	331	3	31	23
13	364	5	49	0

Tabula mensium vsualium

	anni communis	anni bisextilis
ia	31	31
fe	59	60
ma	90	91
ap	120	121
ma	151	152
iu	181	182
iul	212	213
aug	243	244
sep	273	274
oc	304	305
no	334	335
de	364	366

Tabula radicum

1	60	0
2	19	19
3	7	17
4	7	14
5	7	72
6	4	4
7	7	4
8	19	40

Tabula differenciarum

Elevacio	1	2	3	4	5	6	7	8	9	10	11	12	[illegible]	14	15
	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m	g m
1	0 1	0 2	0 3	0 4	0 5	0 6	0 7	0 8	0 9	0 11	0 12	0 13	0 14	0 15	0 16
2	2	4	6	8	10	13	14	17	0 19	21	23	24	28	30	32
3	3	6	9	13	16	17	22	24	24	32	37	38	40 0	40 0	48
4	4	8	13	17	21	24	30	34	38	44	45 0	0 0	0 1	0 1	4
5	5	10	16	21	26	32	37	42	48 0	57 0	58 1	4 1	9 1	15 1	21
6	6	13	19	25	32	38	44	51 0	57 1	4 1	10	17	23	30	37
7	7	15	22	30	37	44 0	52 0	59 1	7	14	22	30	37	44	53
8	8	17	25	34	42	51 0	59 1	8	16	25	34	43 1	52 2	0	9
9	9	19	29	38	48 0	57 1	7 1	16	26	36	46 1	56 2	6	16 2	26
10	11	21	32	43	53 1	4	14	25	36	47 1	58 2	9	20	31 2	43
11	12	23	35	47 0	58 1	10	22	34	46 1	58 2	10	22	34 2	47 2	59
12	13	25	38	51 1	4	17	30 1	43 1	56 2	9	22	35 2	49 3	2 3	16
13	14	28	42 0	56 1	9	23	37 1	52 2	6	20	34 2	49 3	3	18 3	33
14	15	30	45 1	0	15	30 1	45 2	0	16	31	47 2	2	17	34 3	50
15	16	32	48 1	4	21	37 1	53	10	26	42 2	59 3	16	33	18 3	7
16	17	34	52	9	26	44 2	1	19	36 2	54 3	12	30 3	48	6 4	24
17	18	37	55	14	32	50 2	9	28	47 3	5	24	44	4	22 4	42
18	19	39 0	59	18	38 1	57	17	37 2	57	17	37 3	58	3	19 4	59
19	21	41 1	2	23	44 2	4	25	46 3	8	29 3	50 4	12	18 4	57 4	18
20	22	44	6	27 1	49 2	12	34 2	56	18	41 4	3	26 4	57 4	27	36
21	23	46	9	32 1	55	19	42 3	6	29 3	53	17	41 5	4	30 5	54
22	24	49	13	37 2	2	26 2	51	17	40 4	7	30 4	56	21 5	47 5	13
23	25	51	17	42 2	8	33 2	59	23 3	51	18	45 4	11	37	21 6	32
24	27	53	20	47	14	41 3	8	37	3	30 4	58	26 5	54	22 6	51
25	28	56	24	52	20 2	49 3	17	45	14	43 4	12	41	9	49	17
26	29 0	59	28 1	57	27 2	56	26 3	56	26	56	27 5	57	11	19	31
27	31 1	4	32 2	3	33 3	4	34 4	6	38	9	41 6	13	[illegible]	[illegible]	51
28	32	4	36	8	40	12	44	17	50	22	56	29	[illegible]	[illegible]	11
29	33	7	40	13	47	20 3	54	28	2	37	11	46	3	28	32
30	34	9	44	19 2	54	9 4	4	39	14	51	27	3	20	40	54
31	36	12	48	24 3	1	37	14	41	28	6	42	21	20	39	16
32	0 37 1	15 1	53 2	30 3	8 3	44	24	2	41	20	57	38	16	18	38

Elevacio	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Tabula mediationis celi

	latitudo septentrionalis									latitudo meridiana							
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	latitudo septentrionalis									latitudo meridiana							
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pars tabule

Gemini

	latitudo septentrionalis									latitudo meridiana							
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21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0

Cancer

	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8
0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0	90 0
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Medium celi

	latitudo septentrionalis									latitudo meridiana							
	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8
0	178 7	177 52	173 31	173 22	173 5	174 53	172 39	172 25	172 12	171 58	171 44	171 31	171 18	171 7	170 53	170 40	170 28
1	14	178 51	42	26	11	173 51	42	28	44	172 0	41	33	19	6	53	40	28
2	18	176 2	46	30	41	174 0	49	31	16	2	48	34	20	6	51	40	21
3	22	6	50	38	18	3	44	33	18	3	49	37	21	7	53	34	26
4	31	11	54	38	22	6	51	36	20	5	51	36	22	7	53	39	24
5	32	17	178 58	42	27	9	54	38	22	7	52	36	22	7	52	38	24
6	36	19	170 2	45	28	12	56	40	24	8	53	31	22	7	52	31	23
7	40	23	7	48	31	14	179 58	42	27	9	54	31	22	7	51	36	22
8	44	26	8	51	33	16	171 0	43	26	10	54	31	22	6	50	37	21
9	41	29	11	53	37	18	1	44	31	10	54	31	21	7	49	33	18
10	50	32	14	55	31	20	2	49	31	11	54	31	21	4	48	32	17
11	53	37	16	51	34	21	3	46	28	11	54	31	20	3	41	31	15
12	56	31	18	177 59	40	22	4	46	29	11	54	31	19	2	46	29	13
13	177 58	39	20	171 0	41	23	7	41	29	11	54	36	18	1	49	21	11
14	179 0	41	21	1	42	24	6	41	29	11	53	39	17	177 0	43	27	9
15	2	42	22	2	43	24	6	41	29	10	52	34	16	177 58	41	23	6
16	4	44	24	3	44	29	6	41	29	10	51	33	15	51	39	21	4
17	6	45	25	4	45	25	6	41	28	9	50	32	14	55	31	19	171 2
18	7	46	26	7	45	25	6	46	27	8	49	30	12	53	37	17	171 59
19	8	41	27	6	45	25	6	46	26	7	48	29	10	51	33	15	56
20	9	48	27	6	45	25	5	45	25	6	47	27	8	49	31	12	53
21	9	48	27	6	45	24	4	44	24	4	45	25	6	47	28	9	50
22	10	48	27	6	45	24	3	43	23	3	43	23	4	45	25	6	47
23	10	48	27	5	44	23	2	42	21	174 1	41	21	174 2	42	22	173 3	44
24	10	48	26	4	43	22	1	40	20	174 59	39	19	174 59	39	19	173 59	40
25	10	41	29	3	42	21	178 0	39	18	57	31	17	56	38	16	56	31
26	9	46	28	170 2	41	19	178 58	31	16	57	37	14	53	33	13	51	33
27	8	45	23	171 1	39	17	56	37	14	53	32	11	50	29	9	45	29
28	7	44	24	171 59	31	17	54	33	11	50	39	13	47	26	6	46	27
29	6	43	20	172 51	35	13	52	30	9	47	26	7	44	23	169 54	42	21
30	177 4	174 41	174 11	173 57	173 33	173 11	172 49	172 24	172 6	171 44	171 23	171 2	170 41	170 20	169 59	169 38	169 11

	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8
0	177 4	174 41	174 18	173 57	173 33	173 11	172 4	172 24	172 6	171 44	171 23	171 2	170 4	170 20	169 54	169 38	169 11
1	177 3	34	16	52	31	9	41	24	172 3	41	20	171 44	171 38	16	47	34	13
2	177 1	31	14	51	29	6	44	22	172 0	38	17	51	34	12	51	30	9
3	176 59	34	12	50	26	3	41	14	172 59	34	13	51	30	8	41	24	8
4	54	33	10	41	24	171 1	39	16	54	32	10	48	26	8	43	21 173	5
5	57	31	8	44	21	170 58	36	13	51	24	7	44	22 177 0	34	11 173	57
6	52	28	7	41	18	57	33	10	48	24 171 3	40	13 177 16	34	12	50
7	49	24 161 12	38	51	52	30	7	45	22 171 44	36	14	52	30	8	46
8	46	22 161 49	37	12	49	27	4	41	18	49	32	10	48	26 174 3	41
9	43	19	46	32	9	46	23 161 0	31	14	51	28	6	49	21 174 58	36
10	40	16	43	29	6	42	19 161 46	33	10	41	24 160 2	39	17	54	31
11	31	13	49	24 168 2	38	15	52	29	6	43	20 160 58	37	12	49	26
12	33	9	47	21 168 58	34	11	48	24 163 2	39	16	53	30	7	44	21
13	30	6	42	18	54	30	7	44	21 163 58	37	12	49	27 162 2	34	16
14	26 168 2	38	14	50	26 166 3	40	17	53	30	7	44	20 162 57	34	11
15	22	18 168 59	34	10	46	22 166 59	37	12	48	27 164 2	39	15	52	29	6
16	18	54	30	6	42	18	57	31	8	44	21 164 57	34	10	41	24 168	1
17	14	50	26 170 2	38	14	51	21 168 3	40	15	52	29	5	42	15 168	56
18	9	47	21 170 57	33	9	46	22 168 59	37	12	41	20 161 0	31	13	51
19	7	41	51	53	29	7	42	18	54	31	7	43	18 161 57	32	8	46
20	178 1	31	13	49	24 172 1	31	13	49	26 170 2	38	14	50	24 168 3	41
21	178 56	32	8	44	20 172 56	32	8	49	21 170 57	33	9	49	22 168 58	37
22	51	24 177 3	39	15	51	24 173 3	40	16	52	28 171 4	40	15	53	30
23	46	22 177 58	34	9	46	22 173 58	37	11	41	23 171 59	37	12	48	24
24	41	17	53	29	7	41	17	53	30	6	42	18	54	30	7	42	20
25	36	12	48	24 171 0	36	12	48	24 177 2	38	14	50	26 173 2	38	15
26	31	7	43	19 171 57	31	7	43	20 177 56	33	9	45	22 173 57	33	10
27	25 180 2	38	14	50	26 178 2	38	15	52	28 176 4	40	16	52	28 174	4
28	22 180 57	33	9	45	21 178 57	33	10	45	23 176 59	35	11	45	23 174	59
29	17 181 52	28 181	4	40	16	52	28	7	42	18 178 48	30	6	42	18 177	54
30	183 [illegible]	182 41	182 23	181 59	181 37	181 11	180 41	180 23	180 0	179 34	179 13	178 41	178 27	178 1	177 34	177 [illegible]	176

Reliqua pro tabula

	Latitudo septentrionalis									Latitudo meridiana							
	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8
0	183 12	182 41	182 23	181 59	181 37	181 11	180 41	180 25	180 0	179 33	179 13	178 44	178 26	178 1	177 32	177 13	176 48
1	184 6	42	18	54	182 30	182 6	42	18	180 55	27	180 8	44	20	178 56	32	178 8	43
2	185 1	37	13	49	183 24	183 1	37	13	50	22	181 3	34	41	56	22	179 3	38
3	185 56	32	8	44	184 20	183 56	32	8	45	17	181 58	34	10	46	22	179 58	34
4	50	21	186 3	39	55	51	21	188 3	40	12	53	24	7	41	11	53	29
5	45	22	186 58	34	10	46	22	188 58	37	7	48	24	183 0	36	12	48	24
6	40	18	53	30	6	42	18	54	30	2	43	11 183 17	31	7	43	19
7	37	12	48	24 188 1	31	13	41	24 186 57	38	14	50	26 182 2	38	14
8	30	7	43	20 188 56	32	8	44	20 186 52	33	9	41	21 182 57	33	9
9	24 191 2	38	15	51 189 3	189 3	39	15	47	28 187 4	40	10	52	28 184	4
10	19 191 57	33	10	46 190 24	189 58	34	11	42	23 187 54	37	11	47	23	184 54
11	14	52	28	5	47	11	33	29	6	38	18	55	31	7	43	14	55
12	9	47	23 193 0	36	13	48	27 191 1	33	14	51	21 189 3	39	15	51
13	197 4	47	18 193 55	31	8	43	20 191 57	24	9	46	22 189 58	44	10	46
14	197 59	36	13	50 192 46 192 43	39	16	52	24	5	42	18	54	30	6	42
15	54	31	8	47 193 41	193 38	33	12	48	20 193 1	38	14	50	26 191 2	38
16	49	26	197 3	40	16	53	30	7	43	16 193 57	34	10	46	22 191 58	34
17	44	21 197 58	37	11	48	27 196 2	34	12	53	30	6	42	18	55	30
18	39	16	53	30	7	44	21 196 58	37	8	44	26 197 2	39	15	51	27
19	34	11	48	24 199 2	40	15	52	31	4	49	22 197 58	37	11	47	23
20	29	6	43	21 199 58	36	13	50	27	0	49	18	54	31	7	44	20
21	28 202 2	39	17	54	32	9	46	23 199 56	37	14	51	28	4	41	17
22	19 202 57	34	12	50	28	5	42	19 199 53	33	11	48	24 198 1	38	14
23	14	52	30	8	46	28 202 1	38	11	50	30	8	44	22 198 58	37	11
24	10	48	26	4	42	20 202 57	37	12	50	27	5	42	19	55	32	8
25	5	43	21 204 0	38	16	53	31	9	47	24 202 2	39	16	52	29	5
26	20	39	16 204 56	34	12	50	28	6	44	21 202 57	36	13	50	27	3
27	207 16	37	13	52	30	9	47	27	3	41	19	57	34	11	48	23 202 1
28	11	30	9	48	26	5	43	22 206 0	38	16	54	31	9	46	24	59
29	46	26	5	44	22	1	40	19 206 57	37	13	51	29	7	44	24 203	57
30	210 0	43 210 22	210 1	209 40	209 19	208 58	208 37	208 16	207 54	207 33	207 11	206 49	206 27	206 5	205 44	205 22	204 56

Libra

	Alio									meridiana							
	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8
0	210 43	210 22	210 1	209 40	209 19	208 58	208 37	208 16	207 54	207 33	207 11	206 49	206 27	206 5	205 44	205 22	204 56
1	34	18	210 57	37	16	55	34	13	51	30	8	41	24	208 13	38	17	44
2	37	14	54	34	13	52	31	10	49	27	6	41	23	208 1	37	16	43
3	31	11	51	31	10	49	28	7	46	24	4	43	21	208 59	36	15	52
4	27	7	47	27	7	46	27	5	44	23	2	41	11	58	37	14	51
5	33	4	44	24	4	43	23	3	42	24 212 0	39	18	57	34	13	50
6	20 216 1	41	21 217 1	41	21	21 214 1	40	20 212 59	38	17	56	33	12	50
7	16 216 57	38	18 217 58	39	19	214 59	39	18	58	37	16	55	33	12	50
8	13	54	35	15	56	37	17	57	37	17	57	36	15	54	33	12	51
9	10	51	32	13	54	35	15	56	36	16	56	36	15	54	33	12	51
10	7	48	29	11	52	33	13	54	35	15	55	35	15	54	33	13	52
11	4	45	27	9	50	31	12	53	34	14	54	35	15	55	33	14	55
12	222 1	43	25	7	48	30	11	52	33	14	54	35	15	56	34	15	54
13	222 58	41	23	5	46	29	10	51	32	13	54	35	15	57	35	16	56
14	56	39	21	3	45	27	9	50	31	13	54	35	16	58	36	18 219	58
15	54	37	19	2	44	26	8	50	31	13	54	36	17	58	39	19 221	0
16	51	37	17 224 0	43	25	7	49	31	13	54	36	18 221 19	39	21	2
17	49	33	17 224 59	42	24	6	49	31	13	55	37	19 223 0	41	23	4
18	47	31	14	58	41	23	6	49	31	14	56	38	20	1	42	24	7
19	45	29	13	57	40	23	6	49	32	14	57	39	23	3	46	28	10
20	43	28	12	56	39	23	6	49	33	16	58	40	24	7	49	31	13
21	42	27	11	55	39	23	6	50	33	16 227 59	42	24	7	52	34	16
22	40	24	10	54	38	23	6	50	34	17 229 0	44	27	9	53	37	20
23	38	24	9	53	38	23	6	51	35	18	2	46	29	12 229 58	41	24
24	37	23	8	53	38	23	7	52	36	20	4	48	32	18 231 2	44	28
25	36	22	8	53	38	24	8	53	38	22	6	51	34	22	6	47	33
26	37	21	7	53	38	24	9	55	40	24	9	54	38	26	10	54	38
27	34	21	7	53	39	25	11 237 51	42	27	12 233 51	41	30	14 233 58	43
28	33	20	7	54	40	26	12	58	44	29	15 234 0	47	32	18	234	48
29	32	20	7	55	41	27	13 237 0	46	32	18	3	48	36	23	53
30	239	32 239	20 239	7 238	55 238	42 238	29 238	15 238	237	48 237	34 237	21 237	8 236	53 236	40 236	33 236	237

Scorpio

mediationis celi

Cancer

	latitudo septentrionalis 8	7	6	5	4	3	2	1	0	latitudo meridiana 1	2	3	4	5	6	7	8	
0	239 32	239 20	239 7	238 55	238 44	238 29	238 17	238 2	237 48	237 34	237 21	237 7	236 53	236 38	236 23	236 8	235 55	55
1	32	20	8	55	43	30	17	4	51	38	24	10 237 17	42	28	13 236			59
2	32	20	8	56	44	31	14	6	54	9	17	14 239 1	41	33	14 238			1
3	32	21	9	59	47	33	21	9 280 17		44	31	18	1	52	38	27		11
4	32	21	9	58	46	35	23	11 282 0		41	39	22	10 280 52		44	31		17
5	32	21	10 283 19		48	37	29	14	3	51	39	27	4 282 2		50	37		24
6	32	22	11 287 1		50	37	28	17	6	55	43	32	20	8 282	56	44		31
7	32	22	12	2	52	39	31	29	9 284		47	31	24	13 284 2		50		38
8	33	23	13	4	54	43	34	21	13 286		52	42	30	19 284	284	56		45
9	33	24	15	6	56	44	31	30	17	1 286 17		47	36	24 286	286	32 4		52
10	33	25	16	7	58	47	40	38	25	11 288 2		52	42	31	25	10 284		0
11	34	26	17	9	0	45	43	38	25	16	7 288 17		48	38	28	18		8
12	35	27	19	11	2	54	46	42	25	21	12 290	32 284	45	37	26			16
13	36	28	21 271	13	3 271	57	49	46	33	26	17	9 291 0		51	42	33		24
14	37	30	23 273	51	5 273	18	53	50	38	31	22	11	6 291	18	49	41		32
15	38	32	25	18	8	1 273	17	54	43	36	28	21	13 293	292	17	49		41
16	39	33	27	20	11	4 277	1	58	47	41	33	27	19	12 293	293	17		49
17	40	35	29	23 277	14	7	1 277	52	40	34	33	26	19	14 277	275	27		58
18	42	37	31	26 277	17	11	4 277	3 276	57	45	39	31	27	21	14 276			7
19	43	38	33	28	20	15	13	7 278	2 277	57	49	47	4	34	28	22		16
20	44	40	37	31	23	18	17	12	7 279	2 278	17	52	47	49	36	30		25
21	46	42	38	34	26	21	21	17	12	8 280	3 279	59 279	54	49	44	39		34
22	47	44	40	36	29	27	27	21	17	13	9 281	5 281	1 280	0 280	2	48		43
23	48	46	42	39	32	28	25	27	22	18	15	11	8 282	4 282	0 281	57		52
24	50	48	45	42	37	32	33	30	27	24	21	18	15	12 283	9 283	6		2
25	51	50	47	45	39	36	37	35	33	30	27	27	22	20	17	15 281		11
26	53	52	49	48	42	40	41	40	38	36	33	32	29	28	27	24 283		21
27	55	54	52	51	47	44	46	47	43	42	40	39	37	36	34	33		31
28	56	56	54	54	49	46	50	50	48	48	46	46	44	44	43	42		40
29	268 58	268 58	268 57	268 57	268 57	268 57	268 57	268 57	268 57	268 57	268 57	268 57	268 57	268 57	268 57	268 11	268	50
30	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270	

Capricornus

	Septentrionalis 8	7	6	5	4	3	2	1	0	Meridiana 1	2	3	4	5	6	7	8	
0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	270 0	0
1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9		10
2	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18		20
3	5	6	8	9	11	12	14	15	17	18		20	23	24	26	27		29
4 274	7	8	11	12	14	16	19	20	22	24	20	28	31	32	35	36		39
5 274	9	10	13	15	18	20	23	24	27	30	27	35	38	38	39	45		49
6 276	10	12	15	18	21	24	27	30	33	34	33	42	45	6 276	11 276	4 276		58
7	12	14	18	21	25	28	31	35	38	42	35	40	5 277	278	0 278	3 278		8
8	14	16	20	24	28	32	35	39	43	47	4 278	17 278	279 4	8	8	12		17
9	16	18	22	26	31	35	39	43	48	52 279	17 280	1 280	6	11	16	21		26
10	18	20	25	29	34	39	43	48	53 280	57 281	1	8	13	19	24	30		35
11	19	22	27	32	37	42	47	53 281	57 282	4	3	9	20	26	32	38		44
12	21	23	29	34	40	45	51 282	57 283	3	9	9	21	27	33	40	46 283		53
13	23	27	31	37	43	49	55 284	2	8	14	15	27	34	41	48 285	55		2
14	24	29	33	40	46	53 285	59	6	13	19	24	33	41	48	287 286	3		11
15	22	28	37	44	49	56 286	3	10	17	24	27	34	42 286	287	3	11		19
16	23	30	37	47	52 286	59	7	14	22	29	32	47 287	288	2	11	19		28
17	24	32	39	47	55 288	2	11	18	27	35	38	57 289	0	9	18	27		36
18	27	33	41	4 288	17	7	14	22	31	39	42 289	17	6	15	24	34		44
19	26	34	43	5 290	0	8	17	26	37	44	48 291	3	12	22	32	42 291		52
20	27	37	44	53	2	11	20	30	39	49 291	13	8	18	29	39	50 293		0
21	27	36	45	55	4	13	23	33	43	53 293	18	13	24	35	46 293	57		8
22	27	37	47	56	6	16	26	37	47 293	57	8	18	30	41	52 294	4		17
23	28	38	48	58	8	19	29	40	51 294	1	13	23	34	45 297	58	10		22
24	28	38	49 294	59	10	21	32	43	55	5	17	28	40	52 295	4	16		29
25	28	39	50 296	1	12	23	37	46 296	57	9	21	33	45 297	58	10	23		36
26	28	39	51	2	14	25	37	49 298	0	13	25	38	50 299	3	16	29		43
27	28	39	51	3	15	27	39	51	3	16	29	42	55	8	22	35		49
28	28	40	52	4	16	29	41	54	6	19	29	46 300	59	13	27	41 301		55
29	28	40	53 300	5 300	17 300	30 300	43	56 301	9	22	33	50 302	3	18	32	47 303		1
30	300 28	300 40	300 53	301 5	301 18	301 31	301 44	301 57	302 10	302 23	302 37	302 50	303 3	303 17	303 30	303 44	304	

vltima ps tabule predicte

Tauro

	latitudo septentrionalis									latitudo meridiana							
	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8
0	300 28	300 43	300 53	301 1	301 18	301 31	301 49	301 58	302 14	302 28	302 39	302 53	303 7	303 22	303 37	303 52	304 7
1	21	40	53	6	19	33	41	303 0	14	28	42	303 7	11	26	42	304 7	12
2	26	40	53	6	20	34	48	303 2	16	31	47	305 0	5	30	48	306 2	11
3	24	39	53	1	21	35	45	3	18	33	48	3	18	38	50	6	22
4	24	39	53	1	22	37	51	5	20	36	51	6	22	38	54	11	21
5	23	38	52	1	22	36	52	7	22	38	54	9	27	43	308 58	5	12
6	22	31	52	1	22	37	53	8	24	40	58	12	28	43	310 2	14	16
7	21	36	51	7	22	37	54	9	27	42	309 58	14	31	44	7	3	44
8	20	37	50	6	22	37	54	10	26	43	311 0	16	33	51	8	26	44
9	18	33	49	7	21	31	54	10	21	44	1	18	37	53	11	32	45
10	17	32	48	4	21	37	54	11	27	47	2	20	37	55	14	37	50
11	15	31	47	3	20	37	54	11	28	46	3	21	34	317 55	16	37	55
12	13	29	46	2	19	37	54	11	29	46	4	22	43	317 59	18	34	56
13	11	27	47	1	18	36	54	11	29	47	7	23	47	317 0	20	47	317 58
14	9	27	43	317 0	17	37	53	11	24	41	6	24	42	1	21	44	319 2
15	6	23	41	317 58	16	34	52	10	24	47	6	24	43	2	22	44	2
16	4	21	39	54	15	33	51	10	24	47	6	24	44	3	24	47	4
17	317 59	14	37	55	14	32	50	9	28	47	6	27	45	8	27	46	6
18	317 56	17	37	53	12	30	49	8	27	46	6	27	49	9	26	47	7
19	53	15	33	51	10	29	48	7	26	49	6	27	49	6	27	48	7
20	51	12	31	49	8	27	47	6	27	44	5	25	49	6	25	48	9
21	47	9	28	47	[illegible]	27	46	4	24	43	4	24	45	6	25	48	10
22	44	6	25	49	4	23	45	3	23	42	3	24	45	6	27	48	10
23	40	323 3	22	42	324 2	21	43	324 1	24	39	2	23	44	5	21	47	1
24	37	323 54	19	39	324 54	14	41	324 55	20	37	1	22	43	4	26	47	0
25	33	56	16	36	56	11	39	57	18	37	328 0	21	42	3	27	46	4
26	29	53	13	33	53	8	37	55	16	37	328 58	14	9	2	28	45	8
27	27	49	9	29	50	11	37	53	14	30	56	11	39	331 1	27	44	7
28	21	46	6	26	47	8	32	50	11	27	54	5	37	331 59	22	41	6
29	17	42	329 53	23	44	330 5	29	47	9	25	52	13	37	332 57	20	41	4
30	329 7	329 18	329 49	330 20	330 41	331 2	331 26	331 44	332 6	332 [illegible]	332 49	333 11	333 33	333 55	334 18	334 [illegible]	337

Piscis

	latitudo	septentrionalis								latitudo meridiana							
	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8
0	329 17	329 38	329 59	330 20	330 41	331 2	331 23	331 44	332 6	332 28	332 49	333 11	333 33	333 55	334 18	334 41	337
1	13	34	55	16	38	331 59	20	41	333 3	27	49	334 9	31	53	16	39	336
2	9	30	51	12	34	55	17	38	334 0	22	44	337 6	29	51	12	37	337
3	4	27	47	8	30	51	13	37	334 57	19	41	336 3	26	49	12	37	337
4	333 0	24	44	4	26	48	10	32	54	16	41	336 0	24	47	10	33	17
5	333 55	17	37	337 0	22	44	7	29	51	13	36	58	21	44	8	31	
6	50	12	38	337 56	18	40	337 3	24	48	10	30	52	15	36	341 2	29	
7	46	8	32	54	14	36	337 59	23	44	7	27	49	12	37	341 59	22	
8	41	337 3	28	48	10	32	55	18	41	341 0	23	46	9	32	56	19	
9	36	337 58	21	43	6	28	51	14	37	341 56	19	43	6	29	53	16	
10	31	54	17	39	340 2	24	47	10	33	341 56	14	38	344 2	24	49	13	
11	26	49	12	37	340 58	20	43	6	29	54	11	38	344 58	21	47	9	
12	21	44	7	30	53	16	37	343 2	24	48	7	30	54	18	42	6	
13	16	37	342 2	24	49	12	37	343 58	21	46	7	26	50	14	38	348 2	
14	11	34	342 57	20	44	7	30	53	16	41	346 3	26	50	10	38	348 58	
15	6	29	52	15	37	347 2	27	48	12	37	346 59	22	48	6	30	52	16
16	344 1	24	47	10	34	347 57	24	44	8	31	54	18	38	350 2	26	50	48
17	344 56	19	42	5	29	52	17	40	348 3	24	45	9	33	350 57	20	45	9
18	51	13	37	351 0	28	41	12	37	348 59	22	46	7	29	53	17	41	7
19	46	8	32	351 55	19	43	7	31	55	18	41	5	34	352 1	24	49	13
20	41	358 3	24	50	14	38	350 2	26	49	13	37	352 56	20	44	8	32	354
21	37	358 58	22	49	9	33	350 57	21	44	8	32	57	15	39	3	29	
22	30	53	17	40	351 4	28	52	16	40	353 3	27	46	10	38	356 58	22	
23	27	48	12	37	351 59	23	46	11	34	353 58	22	47	5	24	356 53	17	
24	20	44	7	30	54	18	42	6	29	53	12	36	357 0	22	48	4	12
25	15	38	353 2	26	50	13	38	357 2	24	48	7	31	357 57	17	43	359 13	
26	10	33	353 57	21	44	9	32	57	20	41	38	358 2	20	359 18	359 0	2	0
27	358 4	28	52	16	40	356 4	28	53	15	38	358 57	20	359 2	4	360 0	1	
28	358 59	22	46	11	33	356 59	23	48	10	33	359 51	16	0	8	1	1	2
29	357 55	18	42	6	26	357 56	18	42	7	28	359 0	11	1	11	1	2	3
30	356	357	357	358	358	359	359	360 0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

23

[illegible]

28

Significatorem quilibet ad locum stelle querens sicut significans querens ascen[illegible]
dere / sicut cum ad aspectum descenditur nonnulla vocabula sunt in quibus diffi-
nienda sunt [illegible]
[illegible]

[illegible]

24

[illegible]

26

[illegible]

in omnibus

[illegible]

[illegible] celi [illegible] cum [illegible] altitudinem [illegible] ecliptice [illegible]
[illegible] ecliptice [illegible] tabulas [illegible]
significatoris [illegible] et [illegible] gradus ad quem pervenit directio [illegible] 21

21

[illegible] significatoris [illegible] signorum [illegible]
[illegible] semidiurno [illegible] seminocturno [illegible]
[illegible] ascensionum [illegible] gradus
[illegible] celi [illegible] et [illegible]
elongationem stelle a medio [illegible] posita [illegible] significatoris [illegible]
[illegible] elongationem [illegible] arcu semidiurno significatoris [illegible]
a medio [illegible] celi [illegible] arcu semidiurno [illegible] minor [illegible]
semidiurno [illegible] et elongatur [illegible] significatoris a medio [illegible]
[illegible] aut [illegible] minor [illegible] semidiurno [illegible] et [illegible]
arcu seminocturno [illegible] semidiurno [illegible] distancia a medio [illegible]
[illegible] significatoris et [illegible] a medio
[illegible] ascensionum [illegible]
[illegible] latitudinem [illegible]
[illegible] orientalis [illegible] a medio [illegible]
[illegible] ascensionum [illegible] ecliptice [illegible]
[illegible] directio significatoris [illegible]
[illegible] ascensionum [illegible] stelle [illegible]
[illegible] latitudinem [illegible]
[illegible] ecliptice [illegible]
[illegible] gradus [illegible] 24 gradus [illegible]
[illegible] latitudinem [illegible] 29 gradus
et 30 minuta [illegible] 24
[illegible] semidiurnum stelle 92 gradus et 13 minuta [illegible] semi-
nocturnum 81 gradus et 11 minuta [illegible] significatoris [illegible]
114 gradus et 24 minuta [illegible] 114 gradus et 28 minuta
[illegible] stelle [illegible] 28 gradus [illegible] 28 [illegible]
et [illegible] 141 gradus [illegible] 24 minuta [illegible] celi
[illegible] 360 gradibus et [illegible] elongatio stelle a medio 226 gradus et 3 minuta [illegible]
[illegible] 180 gradus et [illegible] 186
gradus et 3 minuta [illegible] arcu seminocturno [illegible] stelle [illegible]
[illegible] 186 gradus et 3 minuta
a [illegible] 180 gradus et [illegible] stelle a medio [illegible]
[illegible] orientalis stelle [illegible]
2 gradus [illegible] a medio [illegible] ad 88 gradus
[illegible] 31 gradus [illegible]
[illegible] 31 gradibus [illegible]
significatoris [illegible] tabulas [illegible]
31 gradus [illegible] et 11 minuta [illegible]
28 gradus [illegible] 28 [illegible] et [illegible] 149 gradus [illegible] minuta
et [illegible] ad quem pervenit directio [illegible]
[illegible] 31 gradus [illegible] pervenit
[illegible] 24 [illegible] gradus [illegible]

[illegible] significatoris [illegible]

29

[illegible] significatoris [illegible]
[illegible]
significatoris [illegible]
[illegible] signorum [illegible]
[illegible] signorum [illegible] et [illegible]
[illegible] anno [illegible]
[illegible] celi [illegible]
[illegible] signorum [illegible]
[illegible] significatoris [illegible] et [illegible]
[illegible] anni [illegible]
[illegible] et [illegible] signum [illegible]
[illegible] signum [illegible]
[illegible] signum [illegible] anni et [illegible]
[illegible] anno [illegible]
[illegible] et [illegible] anni [illegible]
[illegible]

inquam per circulos [illegible] ac si videlicet [illegible] ... stelle [illegible]
[illegible] radiorum [illegible] ecliptice Johannes [illegible]
[illegible] in celo [illegible] ecliptica [illegible] stelle [illegible] latitudine [illegible]
[illegible] radiacionum aut aspectuum [illegible]
in celo latitudinis stelle [illegible] radiacionum in ecliptica [illegible]
longitudo [illegible] ac [illegible] .
[illegible]
[illegible] stella [illegible] radium [illegible]
[illegible]
[illegible] in celo [illegible] stelle [illegible] gradatim.
[illegible] lateris trianguli equilateri [illegible] diameter [illegible]
[illegible] stelle [illegible] puncti [illegible] puncti in [illegible] primi mobilis
[illegible] stelle [illegible]
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[illegible] radialem [illegible]
[illegible] trianguli equilateri [illegible] primi mobilis [illegible]
[illegible] radiantis [illegible]
[illegible] primi mobilis [illegible] puncti [illegible]
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puncti [illegible] puncti
[illegible] radiorum [illegible] puncti [illegible]
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ac radiorum trianguli [illegible] radiorum [illegible] planete [illegible]
latitudine [illegible] tabulis radiorum [illegible] planete [illegible]
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[illegible] / [illegible] radiorum gradatim
[illegible] planete [illegible] quadrantis ecliptice / radiorum
[illegible] aspectibus [illegible]
[illegible]

Tabula radiorum

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[illegible] signa [illegible] tabula declinacionum [illegible]
[illegible] tabula climatum [illegible] signa [illegible]
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[illegible] tabule [illegible]
[illegible]

Latitudo	gr	m
1	60	0
2	59	59
3	59	57
4	59	55
5	59	52
6	59	49
7	59	45
8	59	40

Tabula porcionum ad 52 gradus latitudinis

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17	[illegible]	34	27	13	4 3	52	41	31	24	13	9 4	9 55	10 48	43
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22	[illegible]	21	7	10	33	16	4 59	44	28	13	7 58	43	30	18
23	[illegible]	28	3	[illegible]	27	7	51	34	6 17	7 0	44	28	9 14	10 0
24	[illegible]	22	2 0	[illegible]	21	4 1	42	24	5	6 45	30	8 13	8 57	9 43
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26	38	17	52	30	8	26	24	5 3	42	22	7 2	42	23	9 6
27	36	[illegible]	[illegible]	28	3 2	46	4 13	30	6 9	6 51	26	8 6	8 51
28	35	[illegible]	[illegible]	19	2 51	38	4 5	42	18	5 57	32	7 10	7 58	28
29	32	[illegible]	[illegible]	14	48	30	3 46	31	5 6	41	11	6 43	30	8 8
30	32	[illegible]	[illegible]	8	41	22	26	30	4 43	21	6 1	36	7 11	7 48
31	31	[illegible]	[illegible]	2 3	38	13	36	4 8	4	5 13	5 46	19	6 43	28
32	0 30	1 1	1 21	1 51	2 21	3 5 (2 56)	3 26	3 57	4 21	4 48	5 28	5 1	6 33	7 7

Tabula ascensionum ad 52 gradus latitudinis

Declinatio meridionalis supra terram

Declinatio meridionalis sub terra

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13	0 52	22	23 58	27	27 3	28 40	30 19	32 1	33 46	37 32	27	16	13	51
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13	46	32	18	5	52	39	26	13	7 1	7 49	39	27	17	11	11
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15	44	28	12	2 57	40	27	10	5 57	41	27	14	9 0	9	[illegible]	[illegible]
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25	32	4	36	9	41	3 13	3 57	20	4 13	21	26 6 1	[illegible]	7 10	7 47	[illegible]
26	31	1 1	33	2 4	34	3 0	31	4 9	21	13	5 47	19	6 13	21	8
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31	24	48	12	37	2 0	24	49	14	34	4 4	31	4 10	[illegible]	5 29	6
32	0 23	0 47	1 11	1 31	1 53	2 16	2 39	3 3	3 26	3 49	4 14	4 30	5	7 28	6 5

Declinatio orientalis super terram
Declinatio meridiana sub terra

Declinatio meridiana super terram
Declinatio orientalis sub terra

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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Distantia [illegible]
Declinatio [illegible]

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
32	47 18	59 61	39 64	26 67	21 70	28 73	36 76	19 80	36 84	25 88	93	98	104	112	128
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30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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0	37 16	38 40	40 30	42 27	44 21	46 6	48 [illegible]	51 23	54 [illegible]	57 3	60 3	64 13	68 11	74 [illegible]	90 0

Distantia [illegible]
Declinatio [illegible]

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Tabula positionum ad 48 gradus latitudinis

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	1 31	3	4 37	6 7	7 39	9 12	10 [illegible]	12 13	13 [illegible]	15 8	17	18 20	20 18	21 56	23 36	27 17
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	1 0	2 1	3 1	4 2	5 3	6 4	7 5	8 7	9 [illegible]	10 12	11 15	12 19	13 23	14 28	[illegible]	[illegible]
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4	58	56	57	54	52	51	51	50	8 50	9 50	10 52	11 53	12 56	13 58	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	56	52	48	47	41	34	36	33	31	29	28	21	28	28	30	32
1	57	50	47	41	36	31	28	28	21	19	11	11	14	13 13	30	32
0	0 14	1 48	2 42	3 37	4 31	5 26	6 21	7 16	8 12	9 8	10 7	11 2	12 0	12 58	13 14	14 41
															58	48

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1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	0 0	1 1	1 [illegible]	1 15	2 [illegible]	2 31	2 48	3 6	3 28	3 54	4 20	[illegible]	4 20	[illegible]	4 20	4 39

[illegible]	17	18	19	20	21	22	23	24	25	26	27	28	29	31	32	30
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0	[illegible]	37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	[illegible]	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	31	33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7		32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	30	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10		30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	28	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	27		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13		28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	26	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	25	26	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16			27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	24	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	23	24	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	22	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20			24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	21	22	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	20	21	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	19	20	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	18	19	20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	17	18	19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	16	17	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	15	16	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	14	15	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	13	14	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	12	13	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	11	12	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Tabula positionum circulorum

Equatio domorum	60 g	m	59 g	m	58 g	m	57 g	m	56 g	m	55 g	m	54 g	m	53 g	m	52 g	m	51 g	m	50 g	m	49 g	m	48 g	m
1	0	37	0	36	0	[illegible]	0	[illegible]	0	[illegible]	0	[illegible]	0	[illegible]	0	[illegible]	0	[illegible]	0	[illegible]	0	[illegible]	0	[illegible]	0	[illegible]
2	1	9	1	[illegible]	1	[illegible]	1	[illegible]	1	[illegible]	1	[illegible]	1	[illegible]	1	[illegible]	1	[illegible]	1	[illegible]	1	[illegible]	1	[illegible]	1	[illegible]
3	1	44	1	48	1	53	1	57	2	2	2	6	2	11	2	16	2	21	2	26	2	31	2	31	2	42
4	2	19	2	24	2	30	2	36	2	42	2	49	2	55	3	1	3	8	3	15	3	22	3	29	3	31
5	2	54	3	1	3	8	3	15	3	23	3	31	3	39	3	47	3	55	4	4	4	13	4	22	4	31
6	3	29	3	37	3	46	3	55	4	4	4	13	4	23	4	33	4	43	4	53	5	4	5	15	5	26
7	4	4	4	14	4	24	4	34	4	45	4	56	5	7	5	19	5	30	5	42	5	54	6	8	6	21
8	4	39	4	51	5	2	5	14	5	26	5	39	5	52	6	5	6	18	6	32	6	46	7	1	7	16
9	5	15	5	28	5	41	5	54	6	8	6	22	6	36	6	51	7	6	7	22	7	38	7	55	8	12
10	5	51	6	5	6	20	6	37	6	50	7	6	7	22	7	30	7	55	8	13	8	30	8	49	9	8
11	6	21	6	42	6	59	7	15	7	32	7	49	8	7	8	27	8	44	9	3	9	23	9	44	10	5
12	7	3	7	20	7	38	7	56	8	15	8	34	8	53	9	13	9	34	9	55	10	16	10	39	11	2
13	7	40	7	58	8	18	8	37	8	58	9	18	9	39	10	1	10	24	10	[illegible]	11	10	11	37	12	0
14	8	17	8	36	8	58	9	19	9	41	10	3	10	26	10	50	11	14	11	39	12	7	12	31	12	48
15	8	54	9	16	9	39	10	1	10	24	10	49	11	14	11	39	12	4	12	32	13	0	13	28	13	48
16	10	32	9	52	10	19	10	44	11	9	11	34	12	1	12	27	12	51	13	26	13	55	14	26	14	48
17	10	10 (49)	9	37	11	1	11	27	11	54	12	22	12	50	13	19	13	49	14	20	14	52	15	29	15	49
18	11	49	10	16	11	43	12	11	12	40	13	9	13	39	14	10	14	42	15	11	15	49	16	24	17	1
19	12	28	11	56	12	24	12	57	13	26	13	51	14	24	15	2	15	36	16	11	16	48	17	24	18	4
20	12	8	11	38	13	9	13	40	14	13	14	46	15	20	15	55	16	31	17	8	17	49	18	27	19	8
21	13	48	12	20	13	53	14	26	15	0	15	36	16	14	16	49	17	37	18	7	18	41	19	30	20	13
22	14	29	13	3	14	35	15	13	15	49	16	26	17	4	17	44	18	24	19	6	19	49	20	34	21	20
23	14	11	14	41	15	23	16	0	16	38	17	17	17	48	18	39	19	22	20	6	20	42	21	39	22	28
24	14	54	15	31	16	9	16	48	17	29	18	10	18	42	19	36	20	24	21	8	21	46	22	[illegible]	23	38
25	15	31	16	16	16	56	17	38	18	20	19	3	19	48	20	34	21	22	22	11	23	2	23	55	24	40
26	17	25	16	20	17	41	18	28	19	12	19	48	20	41	21	34	22	24	23	16	24	9	25	4	26	3
27	17	6	17	50	18	34	19	19	20	6	20	54	21	44	22	37	23	28	24	22	25	19	26	11	27	18
28	18	53	17	38	19	24	20	12	21	1	21	51	22	44	23	37	24	33	25	30	26	30	27	32	28	36
29	18	40	18	21	20	16	21	6	21	51	22	40	23	43	24	40	25	40	26	41	27	43	28	48	29	56
30	19	28	20 (19)	18	21	9	22	1	22	51	23	41	24	48	25	41	26	45	27	49	28	56	30	7	31	19

latitudo	60 g	m	59 g	m	58 g	m	57 g	m	56 g	m	55 g	m	54 g	m	53 g	m	52 g	m	51 g	m	50 g	m	49 g	m	48 g	m
31	20	18	21	0	22	3	22	48	23	47	24	43	24	43	26	44	28	0	29	7	30	11	31	29	32	49
32	21	9	22	3	22	59	23	46	24	46	24	57	27	0	28	5	29	13	30	28	31	31	32	44	34	44
33	22	1	22	48	23	5	24	47	25	49	27	3	28	9	29	19	30	29	31	44	33	1	34	22	34	[illegible]
34	22	57	23	55	24	56	25	59	27	4	28	11	29	21	30	34	31	48	33	6	34	28	35	4	37	[illegible]
35	23	51	24	53	25	57	27	3	28	11	29	22	30	34	31	51	33	10	34	33	35	54	37	30	39	[illegible]
36	24	41	25	53	27	0	28	59	29	21	30	34	31	52	33	12	34	37	36	2	37	38	39	10	40	[illegible]
37	25	41	26	47	28	4	29	19	30	33	31	41	33	12	34	36	36	4	37	36	39	13	40	44	42	[illegible]
38	26	49	28	0	29	13	30	29	31	48	33	10	34	37	36	4	37	37	39	51	40	48	42	41	44	[illegible]
39	27	42	29	7	30	24	31	44	33	6	34	33	36	2	37	36	39	51	40	49	42	48	44	49	46	[illegible]
40	28	49	30	11	31	37	33	1	34	28	35	47	37	34	39	13	40	48	42	48	44	46	46	40	49	[illegible]
41	30	1	31	29	32	44	34	22	37	44	39	30	40	10	42	47	44	41	46	4	49	40	51	[illegible]	[illegible]	[illegible]
42	31	19	32	49	34	14	35	41	37	28	39	7	40	41	42	44	44	42	46	44	49	44	51	27	[illegible]	[illegible]
43	32	34	34	7	35	34	37	16	38	49	40	46	42	34	44	39	46	46	49	2	51	24	54	10	[illegible]	[illegible]
44	33	53	37	28	37	7	38	40	40	39	42	33	44	33	46	42	48	49	51	21	54	8	57	7	60	[illegible]
45	34	16	36	56	38	40	40	30	42	24	44	21	46	30	48	49	51	23	54	44	57	3	60	23	64	[illegible]
46	36	43	38	24	40	14	42	51	44	18	46	24	48	48	51	57	54	0	57	49	60	20	64	4	68	[illegible]
47	38	41	40	7	42	4	44	8	46	20	48	40	51	11	54	37	57	5	60	10	64	8	68	47	74	[illegible]
48	39	43	41	42	43	51	46	9	48	31	51	3	54	42	57	49	60	12	64	4	68	44	74	49	90	[illegible]
49	41	37	43	44	45	57	48	20	50	43	53	40	56	42	60	0	64	0	68	41	74	41	90	0		
50	43	29	45	44	48	8	50	42	53	30	56	34	59	59	63	48	68	37	74	49	90	[illegible]				
51	45	29	47	42	50	30	53	19	56	24	59	11	63	8	69	32	74	8	90	0						
52	47	39	50	16	53	7	56	13	59	42	63	40	68	21	74	[illegible]	90	0								
53	50	1	52	43	56	1	59	31	63	31	68	19	74	[illegible]	90	0										
54	52	37	51	48	59	19	63	22	68	11	74	3	90	0												
55	54	32	59	6	63	10	68	2	74	26	90	0														
56	58	42	62	43	67	43	74	19	90	0																
57	62	4	67	42	74	12	90	0																		
58	61	[illegible]	74	4	90	0																				
59	73	[illegible]	90	0																						
60	90																									

47 46 45 44 43 42 41 40 39 38 37 36 35

1 0 0 41 1 0 1 2 1 41 1 7 1 9 1 12 1 47 1 17 1 20 1 23 1 25
2 1 1 10 2 0 2 4 2 9 2 13 2 18 3 23 37 2 28 2 34 2 39 2 45 2 47 4 11
3 2 2 45 3 0 3 1 3 13 3 20 3 21 4 41 3 43 3 11 3 45 4 8 5 44
4 3 3 1 4 1 4 9 4 13 4 21 4 31 5 45 4 41 5 8 5 19 5 31 7 11
5 4 4 11 5 1 5 12 5 23 5 34 5 41 7 12 6 10 6 20 6 40 6 45 8 38
6 5 5 40 6 2 6 41 6 28 6 42 6 41 8 27 7 27 7 44 8 1 8 19 10 6
7 6 6 47 7 3 7 18 7 34 7 40 8 1 9 38 8 43 9 2 9 23 9 44 11 35
8 7 7 48 8 5 8 22 8 40 8 19 9 18 10 13 9 0 12 22 10 47 11 9 13 4
9 8 30 8 48 9 7 9 26 9 47 10 8 10 30 12 8 11 11 11 42 12 8 12 35 14 35
10 9 25 9 48 10 9 10 31 10 41 11 18 11 42 13 28 12 39 13 3 13 32 14 41 3 16 7
11 10 31 10 45 11 13 11 37 12 2 12 28 12 45 14 40 13 43 14 28 14 41 15 31 17 40
12 11 6 11 41 12 16 12 43 13 11 13 39 14 9 14 48 15 13 41 41 16 23 18 1 19 41
13 12 26 12 43 13 24 13 40 14 20 14 41 17 28 11 11 16 34 17 11 17 40 20 32 20 42
14 13 24 13 46 14 26 14 48 15 30 16 47 16 40 18 34 17 46 18 34 19 19 21 42 22 30
15 14 28 14 0 15 32 15 16 42 17 19 19 11 19 41 19 19 19 19 20 3 20 45 23 38 23 10
16 15 31 16 7 16 40 16 6 17 48 18 32 19 16 21 22 20 42 21 32 22 22 24 41 24 43
17 16 29 17 10 17 45 17 16 19 8 19 41 20 34 22 41 22 11 23 22 23 46 26 13 25 39
18 17 38 18 11 18 48 18 21 20 23 21 22 41 21 41 28 42 23 39 28 32 27 33 28 38 26 21
19 18 44 19 27 20 8 19 40 21 40 23 41 23 30 27 42 24 10 26 9 21 11 30 11 31 19
20 19 40 20 37 21 21 20 9 22 22 48 27 42 28 44 21 41 26 43 21 46 28 43 31 43 33 41
21 20 47 21 46 22 38 22 8 28 19 26 40 26 42 28 41 28 18 29 26 30 31 35 48 34 42
22 22 8 22 48 23 40 23 27 24 40 28 8 21 42 30 23 20 46 31 8 32 24 37 44 31 19
23 23 19 28 42 24 7 28 44 21 9 29 38 29 42 32 3 31 31 32 49 38 41 31 49 39 29
24 28 32 24 28 26 26 26 49 28 31 31 11 30 48 33 46 33 21 32 44 36 11 33 48 39 41
27 29 42 26 48 21 21 30 0 32 38 32 42 32 42 32 32 34 10 36 39 38 42 42 46 48 9
26 21 32 28 6 29 11 28 42 31 32 32 38 42 31 23 31 2 38 38 40 20 44 10 48 49
21 28 28 29 29 30 38 30 20 33 7 36 12 34 49 39 19 38 0 44 46 23 47 32 49 28
28 29 30 48 32 7 31 11 38 46 38 0 31 46 21 41 42 29 43 44 43 46 2 42 20
29 31 0 32 22 33 46 33 28 36 28 39 43 39 31 29 43 12 49 12 41 29 44
30 32 38 31 43 37 16 37 2 38 41 46 31 43 47 29 48 39 40 1 41 23 47 41 32
36 43

47 46 45 44 43 42 41 40 39 38 37 36 35

31 32 4 34 2 8 36 16 38 29 0 7 41 42 43 44 44 44 44 48 10 16 42 43 45 48 19 6
32 37 6 37 7 38 40 6 19 42 4 43 41 47 4 48 8 40 30 13 7 16 1 49 19 63 10
33 31 6 38 40 42 24 42 41 44 8 46 9 48 20 40 43 43 19 46 13 49 31 63 22 68 2
34 33 49 40 39 44 21 44 18 46 20 48 31 41 41 41 43 30 46 24 48 63 31 63 11 48 46
37 40 6 42 33 46 36 46 48 48 40 11 3 43 40 16 34 44 41 63 40 66 19 48 32 900
36 42 44 33 63 42 40 41 48 11 4 43 49 16 42 49 63 48 68 48 31 900
37 44 46 40 11 23 11 43 46 49 40 6 63 42 63 32 48 9 900
38 46 48 44 40 4 40 46 47 40 42 60 63 31 44 41 900
39 49 41 47 11 3 46 49 16 40 166 42 63 41 49 900
40 41 42 6 60 36 11 42 8 63 44 48 41 900
41 42 11 7 68 13 68 40 68 41 48 42 900
42 11 6 60 42 63 40 48 46 48 47 900
43 60 62 48 41 900 40
44 62 68 11 900
47 68 42 41
46 48 900
49 9

Bascheff lyss ladich poeto

3.

Tabula declinacionum gradualis

	Libra Aries			Scorpio Taurus			Sagittarius Gemini			
	arcus G	m	multiplicandi numerus	arcus G	m	numerus multiplicandus	arcus G	m	numerus multiplicandus	G	G
	0	0	91701	12	16	93848	20	38	97991	0	30
	0	26	91710	12	37	93977	20	49	98112	1	29
	0	52	91718	12	58	94108	21	0	98232	2	28
	1	18	91730	13	19	94242	21	11	98347	3	27
	1	44	91747	13	40	94378	21	21	98460	4	26
	2	10	91770	14	0	94516	21	31	98570	5	25
	2	36	91798	14	20	94655	21	40	98676	6	24
1	3	2	91831	14	40	94795	21	49	98778	7	23
2	3	28	91867	14	59	94936	21	58	98878	8	22
3	3	53	91912	15	18	95077	22	6	98973	9	21
4	4	19	91960	15	37	95219	22	14	99076	10	20
5	4	45	92014	16	55	95362	22	21	99173	11	19
6	5	10	92073	16	13	95505	22	28	99231	12	18
7	5	35	92138	16	31	95649	22	35	99317	13	17
8	6	0	92205	17	49	95794	22	41	99393	14	16
9	6	25	92283	17	5	95940	22	47	99465	15	15
10	6	50	92361	17	22	96087	22	52	99532	16	14
11	7	15	92443	17	38	96230	22	57	99595	17	13
12	7	39	92528	18	54	96374	23	2	99654	18	12
13	8	3	92617	18	10	96511		7	99708	19	11
14	8	27	92710	18	25	96659		11	99758	20	10
15	8	51	92808	18	40	96800		15	99803	21	9
16	9	15	92910	19	55	96940		18	99844	22	8
17	9	39	93017	19	9	97080		21	99881	23	7
18	10	2	93127	19	23	97217		23	99913	24	6
19	10	25	93235	19	36	97371		25	99930	25	5
20	10	48	93355	20	49	97482		27	99962	26	4
21	11	10	93474	20	2	97612		28	99978	27	3
22	11	32	93596	20	14	97747		29	99990	28	2
23 24	11	54	93721		26	97867		30	99997	29	1
25 26	12	16	93848	20	38	97991	23	30	100000	30	0
27 28 29 30	Virgo Pisces			Leo Aquarius			Cancer Capricornus				

	numerus		numerus		numerus	
1	1745	31	60086	61	180482	30
2	3492	32	62486	62	188074	29
3	5240	33	64940	63	196263	28
4	6992	34	67452	64	205034	27
5	8748	35	70022	65	214450	26
6	10511	36	72654	66	224601	25
7	12278	37	75356	67	235583	24
8	14053	38	78129	68	247513	23
9	15838	39	80978	69	260511	22
10	17633	40	83489	70	274743	21
11	19439	41	86929	71	290422	20
12	21256	42	90040	72	307767	19
13	23087	43	93274	73	327088	18
14	24933	44	96571	74	348748	17
15	26794	45	100000	75	373211	16
16	28674	46	103551	76	401089	15
17	30573	47	107236	77	433148	14
18	32492	48	111062	78	470473	13
19	34433	49	115031	79	514438	12
20	36396	50	119171	80	567118	11
21	38381	51	123491	81	631377	10
22	40402	52	127994	82	711565	9
23	42448	53	132704	83	814430	8
24	44532	54	137639	84	951436	7
25	46631	55	142815	85	1143005	6
26	48772	56	148257	86	1430067	5
27	50952	57	153981	87	1908114	4
28	53170	58	160034	88	[illegible]	3
29	55432	59	166429	89	[illegible]	2
30	57734	60	173201	90	infinitum	1

Tabula secunda

Tabula ... medium ... in ...

Dies		Aries			Taurus			Gemini			Cancer			Leo			Virgo	
	Radix ascensionis		Radix ascensionis			Radix ascensionis			Radix ascensionis			Radix ascensionis			Radix ascensionis			
0	0	00000	32		22077	62	0	~~12209~~	90	0	90 0			[illegible]			22077	
1		26084			21822			11833			818	118	71	12493	170	11	22327	
2		26069	35		21760			11834			836	119	44	12967	59	14	22377	
3	11	26046	37		21292		11	11044	92	49	1243	120	46	12371	171	11	22807	
4	16	26013	38		21077		45	10642	93	40	1610	121	44	13126	172	4	23034	
5	22	25971	31		20194	66	11	10278	94	37	2081	122	42	18098	173	3	23277	
6	27	25919	30		20447	67	49	9863	97	30	2403	123	41	18867	174	6	23865	
7	32	25857	39	24	20177	68	44	9464	96	29	2915	124	39	18832	177	9	23614	
8	38	25781	40	26	19858	69	40	9064	97	20	3333	125	37	17194	176	13	23813	
9	43	25708	41		19774	70	36	8664	98	16	3148	126	36	17774	177	11	24064	
10	48	25619	42	23	19287	71	33	8264	99	11	4162	127	34	17911	178	21	24248	
11	53	25522	43	28	18931	72	29	7854	100	6	4717	128	34	16264	179	27	24423	
12	58	25414	44	28	18613	73	27	7446	101	2	4981	129	33	16612	160	29	24590	
13	3	25299	45	29	18291	74	21	7031	101	57	7398	130	32	16957	161	33	24748	
14	8	25174	46	29	17964	77	11	6621	102	52	7808	131	31	17294	162	38	24898	
15	13	25041	47	29	17631	76	12	6217	103	48	6217	132	31	17631	163	43	25041	
16	17	24898	48	29	17294	77		5580	104	43	6621	133	31	17964	164	47	25174	
17	22	24748	49	28	16957	78	37	7398	107	39	7031	134	31	18291	167	52	25299	
18	27	24590	50	27	16612	78	48	4981	106	37	7446	137	32	18613	166	57	25414	
19	31	24423	51	26	16264	79	47	4717	107	31	7854	136	32	18931	166	2	25522	168
20	31	24248	52	27	15911	80	49	4162	108	21	8264	137	34	19287	167		25619	169
21	39	24065	53	28	15554	81	44	3148	109	28	8664	138	33	19774	168	12	25708	170
22	46	23873	54	23	15192	82	40	3333	110	20	9064	139	38	19858	169	11	25781	171
23	51	23684	57	21	14832	83	37	2918	111	16	9464	140	37	20177	170	22	25857	172
24	11	23468	56	17	14487	84	30	2403	112	13	9863	141	37	20447	171	28	25919	173
25	16	23255	57	16	14098	87	29	2081	113	9	10278	142	38	20194	172	33	25971	174
26	11	23035	58	16	13126	86	20	1610	114	6	10642	143	4	21077	173	38	26013	177
27	0	22807	59	14	13771	87	11	1243	117	3	11044	144	4	21292	174	44	26046	176
28	3	22571	60	13	12973	88	10	836	116	0	11834	145	4	21760	177	49	26069	177
29		22332	61	9	12593	89	7	418	116	11	11823	146	6	21822	178	54	26084	178
30	9	22077	62	0	12209	90	0	000	117	4	12209	147	9	22077		0	26089	180

Dies		Libra		Scorpio			Sagittarius			Capricornus			Aquarius			Pisces		
	Radix ascensionis		Radix ascensionis			Radix ascensionis			Radix ascensionis			Radix ascensionis		[illegible]	Radix ascensionis			
0		00000			22077			12209			000						22077	
1	181	26084	213	14	21822	243	3	11833	270	77	818	41	298	12493	11	328	22327	A
2	182	26069	214	16	21760	244	0	11834	271	70	836	44	299	12967	4	329	22577	
3	183	26046	217	14	21292	244	11	11044	272	49	1243	46	300	13371	71	330	22807	
4	184	26013	216	20	21077	247	45	10642	273	40	1610	44	301	13126	0	331	23037	
5	185	25971	217	22	20138	246	41	10278	274	37	2083	42	302	14098	3	332	23277	
6	186	25919	218	23	20447	247	41	9863	277	29	2403	41	303	14467	6	332	23468	
7	187	25857	219	24	20177	248	44	9464	276	24	2918	39	304	14832	9	337	23614	
8	188	25781	220	26	19858	249	40	9064	277	20	3333	37	307	15192	13	336	23813	
9	189	25708	221	21	19774	270	36	8664	278	16	3148	36	306	17774	11	337	24064	
10	190	25619	222	28	19287	271	33	8260	279	11	4162	34	307	17911	21	338	24248	
11	191	25522	223	28	18931	272	29	7874	280	6	4717	34	308	16264	27	339	24423	
12	193	25414	224	28	18613	273	27	7446	281	2	4981	33	309	16612	29	340	24590	
13	194	25299	224	29	18291	274	21	7031	281	57	7398	32	310	16957	33	349	24748	
14	197	25174	226	29	17964	277	11	6621	282	52	7808	31	311	17294	363	42	24898	
15	196	25041	227	29	17631	276	12	6217	283	48	6217	31	312	17631	43	43	25041	
16	197	24898	228	29	17294	277	8	5808	284	43	6621	31	313	17964	47	44	25174	
17	198	24748	229	25	16957	278	37	7398	287	39	7031	31	314	18291	42	45	25299	
18	199	24590	230	21	16612	278	48	4981	286	37	7446	32	317	18613	41	46	25414	
19	200	24423	231	26	16264	279	47	4717	287	31	7874	32	316	18931	2	48	25522	
20	201	24248	232	24	17911	260	49	4162	288	21	8260	32	317	19287	11	49	25619	
21	202	24067	233	28	17774	261	44	3148	289	28	8664	33	318	19774	12	54	25708	
22	203	23873	234	23	17192	262	40	3333	290	20	9064	34	319	19858	11	71	25781	
23	204	23684	237	21	14832	263	37	2918	291	16	9464	37	320	20177	22	12	25857	
24	205	23468	236	17	14467	264	30	2403	292	13	9863	37	321	20447	18	17	25919	
25	206	23255	237	15	14098	264	29	2081	293	9	10278	38	322	20138	33	52	25971	
26	207	23035	238	10	13126	267	20	1610	294	6	10642	40	323	21077		74	26013	
27	208	22807	239	14	13771	267	47	1243	297	3	11044	42	324	21292		76	26046	
28	210	22571	240	12	12973	268		10836	296	0	11834	44	325	21760		11	26069	
29	211	22371	241	9	12593	269	4	418	297	11	11823	46	326	21822		18	26084	
30	212	22332	242	6	12209	270	0	000	298		12209	47	327	22077			26089	
		22077																

Ascensiones oblique ad latitudinem unius gradus

Gradus	Aries		Gemini		Leo		Libra		Sagittarius		Aquarius	
0	0	[illegible]	[illegible]	89	121	171	180	208	238	270	302	332
1–29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	89	121	171	180	208	238	270	302	332	360

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Gradus	Aries		Gemini		Leo		Libra		Sagittarius		Aquarius	
0	0	[illegible]	[illegible]	89	121	171	180	208	238	270	302	332
1–29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	89	121	171	180	208	238	270	302	332	360

					Geminy		Cancer				Virgo				Scorpio				Capricorn				Pisces	
0	0	0	27	11	56	43	88	42	121	6	151	29	180	0	208	31	238	54	271	18	303	18	332	43
1	0	53	28	13	57	44	89	48	122	9	152	28	180	46	209	29	239	55	272	28	304	20	333	39
2	1	44	29	10	58	48	90	43	123	12	153	26	181	42	210	28	241	1	273	20	304	20	334	34
3	2	41	30	6	59	48	91	49	124	41	154	24	182	38	211	26	242	1	274	27	305	21	335	31
4	3	37	31	3	60	40	93	4	127	18	155	22	183	38	212	25	243	9	274	37	306	22	335	31
5	4	29	32	0	61	53	94	9	126	20	156	20	184	34	213	24	244	9	275	40	307	23	336	27
6	5	22	32	41	62	46	95	41	127	22	157	18	185	31	214	23	245	13	276	44	308	24	337	22
7	6	16	33	38	63	59	96	20	128	24	158	16	186	32	215	23	246	21	277	40	309	25	338	18
8	7	10	34	35	64	2	97	26	129	26	159	13	187	30	216	23	247	27	278	44	310	27	339	13
9	8	4	35	29	65	5	98	31	130	28	160	11	188	25	217	23	248	29	280	0	311	27	340	8
10	8	48	36	41	67	8	99	30	131	29	161	8	189	24	218	23	249	38	281	41	312	29	341	3
11	9	42	37	47	68	12	100	42	132	31	162	5	190	20	219	23	250	38	282	40	313	29	341	58
12	10	46	38	43	69	16	101	41	133	32	163	2	191	11	220	23	251	43	283	41	314	27	342	53
13	11	40	39	41	70	20	102	42	134	34	163	59	192	13	221	23	252	43	284	19	315	28	343	48
14	12	38	40	39	71	26	103	41	135	34	164	46	193	10	222	23	253	48	285	28	316	23	344	42
15	13	29	41	38	72	28	104	52	136	30	165	43	194	7	223	24	254	43	286	28	317	23	345	31
16	14	23	42	37	73	32	106	7	137	31	166	40	195	4	224	24	256	3	288	36	318	22	346	31
17	15	18	43	36	74	30	107	12	138	31	167	41	196	1	225	26	257	8	289	43	319	24	347	26
18	16	12	44	30	75	41	108	17	139	31	168	43	196	48	226	28	258	13	290	43	320	19	348	20
19	17	7	45	37	76	49	109	22	140	31	169	40	197	47	227	29	259	18	291	43	321	11	349	14
20	18	2	46	37	77	50	110	26	141	31	170	36	198	42	228	31	260	28	292	42	322	41	350	8
21	18	57	47	37	78	57	111	31	142	31	171	33	199	40	229	32	261	29	293	43	323	13	351	2
22	19	52	48	37	80	0	112	37	143	31	172	32	200	40	230	38	262	38	294	13	324	11	351	56
23	20	47	49	37	81	5	113	39	144	31	173	26	201	44	231	36	263	40	296	1	325	8	352	50
24	21	42	50	37	82	10	114	43	145	31	174	23	202	42	232	38	264	49	297	43	326	3	353	44
25	22	38	51	36	83	41	115	41	146	36	175	19	203	40	233	40	265	51	298	1	326	0	354	38
26	23	33	52	34	84	20	116	4	147	37	176	16	204	38	234	42	266	46	299	10	328	41	355	31
27	24	29	53	38	85	29	117	40	148	32	177	12	205	30	235	44	268	1	300	0	329	42	356	25
28	25	22	54	39	86	31	118	49	149	32	178	8	206	30	236	48	269	1	301	14	330	40	357	19
29	26	15	55	40	87	36	120	3	150	31	179	4	207	30	237	52	270	12	302	16	331	41	358	13
30	27	11	56	42	88	42	121	6	151	29	180	0	208	31	238	54	271	18	303	18	332	43	360	0

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			♉		♋				♍		♎				♐				♒					
0	0	0	27	5	56	20	88	51	120	44	151	11	180	0	208	43	239	16	271	49	303	40	332	[illegible]
1	0	53	28	1	57	22	89	21	121	47	152	10	180	46	209	42	240	20	272	51	304	41	333	[illegible]
2	2	45	28	51	58	28	90	27	122	50	153	51	181	43	210	41	241	28	273	46	305	42	334	[illegible]
3	3	40	29	43	59	26	91	32	123	43	154	13	182	49	211	40	242	28	274	51	306	43	335	[illegible]
4	4	33	30	49	60	28	92	38	124	46	155	12	183	46	212	39	244	32	276	6	307	43	335	[illegible]
5	5	27	31	40	61	30	93	43	127	49	156	10	184	43	213	38	245	36	277	11	308	49	337	[illegible]
6	6	20	32	43	62	32	94	49	127	2	157	8	185	40	214	38	246	40	278	16	309	49	338	[illegible]
7	7	13	33	40	63	34	95	48	128	4	158	6	186	32	215	38	247	44	279	24	310	49	339	[illegible]
8	8	13	34	37	64	38	97	0	129	6	159	4	187	32	216	38	248	49	280	26	311	49	340	[illegible]
9	8	0	35	38	65	41	98	5	130	8	160	2	188	31	217	38	[illegible]	43	281	31	312	49	341	12
10	8	48	36	31	66	44	99	10	131	10	161	0	189	28	218	39	249	45	282	36	313	49	342	8
11	9	41	37	38	67	41	100	16	132	12	161	48	190	29	219	39	250	3	283	41	314	44	343	1
12	10	41	38	26	68	41	101	12	133	14	162	41	191	22	220	40	252	8	284	43	315	43	344	49
13	11	37	39	28	69	47	102	21	134	41	163	43	192	19	221	40	253	13	287	43	316	43	344	49
14	12	29	40	22	70	49	103	32	137	11	164	40	193	16	222	42	254	18	286	43	317	41	345	43
15	13	25	41	20	72	3	104	31	136	18	165	41	194	13	223	42	255	23	287	43	318	40	346	37
16	14	11	43	19	73	1	105	42	137	19	166	44	195	10	224	43	256	28	289	13	319	38	347	31
17	15	11	44	18	74	11	106	41	138	20	167	41	196	7	225	47	257	33	290	43	320	36	348	24
18	16	5	45	11	75	41	107	42	139	20	168	38	197	5	226	48	258	39	291	9	321	35	349	19
19	16	59	46	16	76	19	108	47	140	21	169	37	198	2	227	48	259	44	292	13	322	32	350	13
20	17	52	47	41	77	28	109	2	141	21	170	32	199	0	228	40	260	40	293	13	323	29	351	7
21	18	48	48	41	78	29	110	7	142	22	171	29	199	57	229	42	261	47	294	18	324	20	352	0
22	19	43	49	41	79	38	111	11	143	22	172	26	200	46	230	48	263	0	295	22	325	17	352	53
23	20	38	50	41	80	39	112	16	144	22	173	22	201	42	231	48	264	4	296	27	326	12	353	47
24	21	37	51	41	81	44	113	20	145	22	174	20	202	42	232	47	265	9	297	28	327	11	354	40
25	22	28	52	41	82	49	114	28	146	22	175	11	203	40	233	40	266	11	298	27	328	5	355	33
26	23	23	53	16	83	38	115	28	147	21	176	12	204	48	234	47	267	12	299	27	329	3	356	27
27	24	15	54	11	84	49	116	32	148	20	177	11	205	41	235	40	268	28	300	30	330	0	357	21
28	25	15	55	18	86	4	117	36	149	19	178	7	206	41	236	43	269	33	301	16	331	17	358	14
29	26	[illegible]	[illegible]	[illegible]	87	9	118	40	150	18	179	4	207	44	[illegible]	[illegible]	270	3	302	24	331	19	359	7
30	27	[illegible]	56	[illegible]	88	[illegible]	120	44	151	11	180	0	208	43	239	16	271	49	303	[illegible]	332	17	360	0

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	♉		♋		♍		♏		♑		♓
			81	120	21 151	0 180	0 208	17 239	39 272	11 302	3 333
0 0	0 26	55	81	120	172	180	209	280	213	304	332
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30 26	[illegible]	[illegible]	[illegible]	120	151	180	208	239	272	302	333 360

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	♉		♋		♍		♏		♑		♓
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30 26	[illegible]	[illegible]	[illegible]	119	[illegible]	180	208	240	272	302	333 360

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	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
0	0 0	26 28	55 12	86 46	119 36	150 40	180 0	209	240 20	273 24	304 44	333 32	4
1	0 52	27 23	56 13	88 1	120 40	151 40	180 45	210	241 20	274 28	307 44	334 21	1
2	1 44	28 18	57 14	89 7	121 44	152 40	181 46	211	242 20	275 33	306 44	335 21	41
3	2 36	29 13	58 16	90 12	122 48	153 40	182 48	212	243 20	276 37	307	336 41	20
4	3 28	30 8	59 11	91 18	123 42	154 40	183 41	213	244 20	277 42	308 44	337 9	27
5	4 20	31 3	60 19	92 28	124 46	155 39	184 40	214	245 21	278 41	309 44	338 3	30
6	5 12	31 49	61 21	93 29	126 0	156 39	185 44	215	246 22	279 42	310 47	338 51	37
7	6 4	32 47	62 23	94 33	127 3	157 38	186 46	216	247 23	280 11	311 46	339 41	40
8	6 51	32 41	63 25	95 31	128 6	158 31	187 44	217	249 22	281 2	312 49	340 44	44
9	7 49	33 47	64 21	96 47	129 9	159 36	188 47	218	250 24	282 7	313 44	341 38	29
10	8 42	34 43	65 30	97 42	130 12	160 37	189 40	219	251 27	283 12	314 42	342 31	43
11	9 38	35 39	66 33	98 49	131 41	161 38	190 38	220	252 28	284 11	315 41	343 24	41
12	10 26	36 36	67 30	99 1	132 18	162 33	191 36	221	253 30	286 22	316 39	344 11	1
13	11 19	37 33	68 40	100 10	133 20	163 31	192 37	222	254 31	287 28	317 31	345 10	4
14	12 11	38 30	69 43	101 16	134 23	164 30	193 33	223	255 33	288 33	318 34	346 3	9
15	13 4	39 27	70 41	102 21	135 27	165 28	194 32	224	256 37	289 39	319 33	346 56	13
16	13 51	40 24	71 41	103 21	136 27	166 21	195 30	225	257 37	290 44	320 30	347 47	19
17	14 40	41 23	72 41	104 32	137 29	167 27	196 29	226	258 42	291 40	321	348 41	22
18	15 43	42 21	73 49	105 38	138 30	168 28	197 27	227	259 44	292 47	322 28	349 38	26
19	16 36	43 19	74 3	106 43	139 32	169 22	198 26	228	261 47	293 1	323 21	350 26	24
20	17 29	44 18	76 1	107 48	140 33	170 20	199 24	229	262 48	294 7	324 11	351 13	21
21	18 22	45 16	77 11	108 42	141 34	171 18	200 28	230	263 11	297 13	327 13	352 11	30
22	19 16	46 41	78 16	110 48	142 36	172 16	201 23	231	264 49	296 19	326 9	353 3	32
23	20 9	47 14	79 20	112 3	143 37	173 14	202 22	232	265 27	297 27	327 7	353 56	37
24	21 3	48 13	80 27	113 8	144 38	174 12	203 24	234	266 0	298 31	328 1	354 48	37
25	21 51	49 12	81 30	114 13	145 39	175 10	204 24	235	267 4	299 36	328 51	355 40	39
26	22 41	50 12	82 37	115 18	146 40	176 8	205 20	236	268 8	300 42	329 42	356 32	41
27	23 41	51 12	83 40	116 23	147 40	177 6	206 20	237	269 12	301 48	330 41	357 24	43
28	24 34	52 12	84 41	117 27	148 40	178 4	207 20	238	270 16	302 43	331 42	358 16	44
29	25 33	53 12	85 40	118 34	149 40	179 2	208 20	239	271 20	303 49	332 37	359 8	45
30	26 28	55 12	86 46	119 36	150 40	180 0	209 20	240	273 24	304 4	333 32	360 0	45

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0	0 0	26 16	54 40	86 30	119 48	150 28	180 0	209 32	240 46	273 31	305 10	333 44	44
1	0 51	27 10	55 41	87 34	120 19	151 28	180 48	210 32	241 40	274 36	306 10	334 38	38
2	1 43	28 4	56 43	88 4	121 23	152 28	181 46	211 33	242 47	275 4	304 10	335 32	32
3	2 38	28 49	57 43	89 46	122 21	153 28	182 47	212 38	244 0	276 46	308 10	336 26	26
4	3 26	29 43	58 48	90 42	123 31	154 28	183 43	213 34	245 5	277 11	309 10	337 20	20
5	4 18	30 48	59 46	91 48	124 37	155 28	184 42	214 36	246 14	278 16	310 9	338 14	14
6	5 9	31 43	60 48	93 3	127 39	156 28	185 41	215 31	247 41	280 1	311 8	339 8	8
7	6 1	32 39	62 0	94 4	126 42	157 28	186 49	216 38	248 20	281 6	312 1	340 1	1
8	6 53	33 37	63 2	95 41	127 46	158 21	187 44	217 40	249 2	282 10	313 5	340 55	54
9	7 45	34 31	64 4	96 21	128 49	159 21	188 46	218 47	250 30	283 11	314 4	341 47	47
10	8 37	35 21	65 6	97 21	129 42	160 26	189 49	219 43	251 36	284 19	315 2	342 40	40
11	9 29	36 23	66 9	98 33	130 47	161 26	190 43	220 47	252 41	284 23	316 0	343 33	33
12	10 21	37 19	67 12	99 39	131 16	162 27	191 44	221 41	253 41	286 21	316 48	344 24	24
13	11 13	38 16	68 41	100 44	133 1	163 21	192 44	222 49	274 13	287 31	314 16	347	16
14	12 5	39 13	69 18	101 51	134 4	164 23	193 37	223 11	277 49	289 33	318 48	346	10
15	12 48	40 5	21	102 47	137 7	165 22	194 38	226 43	277 5	289 39	319 41	347	2
16	13 40	41 6	70 29	104 1	136 9	166 21	195 31	227 46	278 10	290 42	320 44	348	47
17	14 42	42 4	71 29	107 7	137 11	167 20	196 36	226 49	279 16	291 49	321 44	348	41
18	15 37	43 2	72 33	106 13	138 13	168 18	197 37	228 2	260 21	292 48	322 41	349	39
19	16 21	44 0	73 31	107 19	139 41	169 11	198 38	229 9	261 21	293 51	323 31	350 0	31
20	17 20	45 48	74 41	108 23	140 11	170 41	199 38	230 8	262 33	294 48	324 33	351	23
21	18 13	46 46	75 47	109 30	141 19	171 48	200 33	231 11	263 39	295 46	327 29	352	11
22	19 6	47 47	76 40	110 37	142 20	172 13	201 33	232 14	264 44	296 48	326 2	353	7
23	19 59	48 43	78 48	111 40	143 22	173 12	202 32	233 18		298 0	327 4	354	49
24	20 52	49 42	79 49	112 47	144 23	174 10	203	234 21	266 47	299 23	328 21	354	41
25	21 45	50 41	81 4	113 40	145 28	175 5	204	235 29	268 23	300 4	329 12	355	42
26	22 40	51 40	82 9	114 47	146 27	176 14	205	236 29	269 5	301	330 13	356	36
27	23 38	52 49	83 18	116 0	147 26	177 7	206	237 33	270 18	302 1	331 1	357	30
28	24	53 40	84 19	117 7	148 21	178 8	207	238 31	271 19	303 0	331 46	358	
29	25	54 41	85 28	118 10	149 28	179 2	208	239 9	272	302 9	332 40	359	9
30	26 16	57 40	86	119 18	150 28	180 0	209 32	240	273 10	305 10	333 44	360 0	

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0	0	0	26	3	58	28	86	3	118	42	170	41	180	0	209	47	241	8	273	11	304	32	333	41
1	0	41	26	41	57	28	87	8	119	44	171	16	180	48	210	46	241	13	274	3	306	32	334	44
2	1	22	27	44	56	24	88	12	121	1	172	11	181	57	211	41	242	13	276	8	307	32	337	[illegible]
3	2	38	28	4	57	30	89	19	122	6	173	11	182	46	212	48	243	23	277	13	308	31	336	38
4 – 29	[illegible]																							
30	26	3	58	28	86	3	118	42	170	41	180	0	209	47	241	8	273	[illegible]	304	32	333	41	360	0

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0	0	0	27	4	57	4	84	36	118	29	170	3	180	0	209	41	241	3	272	28	304	37	332	7
1 – 29	[illegible]																							
30	27	11	57	4	84	36	118	29	170	3	180	[illegible]	209	[illegible]	241	[illegible]	272	[illegible]	304	[illegible]	332	[illegible]	360	0

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0	0	0 27	38 53	42 84	9 118	6 154	40 180	0 210	12 241	42 214	41 306	13 334	22
1	0	50 26	31 54	42 86	14 119	11 150	52 184	59 211	11 244	59 217	51 307	11 337	41
2	1	40 27	25 57	42 87	20 120	16 151	13 181	55 212	13 244	52 277	2 308	16 330	8
3	2	31 28	18 56	43 88	27 121	21 152	57 182	13 213	41 287	10 218	1 309	11 337	0
4	3	21 29	11 57	43 89	31 122	26 153	56 183	4 214	42 286	10 249	14 310	14 337	53
5	4	12 30	5 58	44 90	37 123	31 154	51 184	14 215	19 284	22 280	11 311	13 338	45
6	5	2 30	55 59	45 91	43 124	36 155	58 185	51 216	52 284	21 281	22 312	11 339	31
7	5	53 31	44 60	46 92	45 127	40 156	59 186	17 217	28 284	33 282	26 313	9 340	25
8	6	43 32	48 61	48 93	57 126	45 158	4 187	15 218	26 250	39 283	31 314	6 341	21
9	7	38 33	43 62	45 97	1 127	45 159	1 188	17 219	52 271	45 285	37 317	4 342	13
10	8	27 34	38 63	51 96	1 128	53 160	1 189	17 220	32 [illegible]	1 287	39 316	1 343	5
11	9	17 37	33 64	53 97	13 129	57 161	2 190	17 221	37 273	51 286	43 316	48 343	57
12	10	6 36	28 65	56 98	19 131	1 162	2 191	57 222	38 277	3 287	46 317	53 344	46
13	10	57 37	28 65	58 99	24 132	7 163	3 192	57 223	41 276	9 288	40 318	42 347	39
14	11	48 38	19 68	1 100	31 133	9 164	3 193	57 224	44 [illegible]	57 289	43 319	45 346	30
15	12	39 39	51 69	4 101	38 134	13 167	3 194	57 227	42 278	22 290	46 320	45 345	21
16	13	30 40	11 70	1 102	45 137	16 166	3 195	57 228	1 279	29 291	49 321	45 348	12
17	14	21 41	8 71	10 103	51 136	19 169	3 196	57 227	12 260	37 293	2 322	36 349	3
18	15	12 42	5 72	1 104	51 137	22 168	3 197	58 228	52 261	41 294	42 323	32 349	54
19	16	3 43	2 73	51 106	3 139	27 169	3 198	55 230	3 262	41 297	1 324	21 350	45
20	16	55 43	59 74	21 107	9 140	28 170	3 199	59 231	1 263	53 296	9 327	22 351	37
21	17	45 44	56 75	27 108	51 141	31 171	3 200	59 232	11 268	59 297	11 326	17 352	26
22	18	39 45	54 76	29 109	51 142	38 172	3 202	0 233	11 266	1 298	12 321	12 353	17
23	19	31 46	51 77	38 110	21 143	36 173	3 203	1 234	20 267	11 299	14 328	6 354	7
24	20	23 47	45 78	38 111	33 144	39 174	3 204	2 237	22 268	13 300	11 329	1 354	58
25	21	14 48	45 79	43 112	38 147	49 177	2 207	3 236	25 269	23 301	16 329	51 357	48
26	22	1 49	46 80	48 113	44 146	43 176	2 206	42 237	42 270	52 302	1 330	45 357	39
27	23	0 50	48 81	13 114	59 147	41 177	2 205	7 238	52 271	37 303	11 331	42 357	29
28	23	51 51	44 82	18 117	51 148	41 178	1 208	1 239	44 272	43 304	18 332	36 358	20
29	24	45 52	43 83	3 117	1 149	49 179	1 209	42 240	42 273	56 307	18 333	29 359	10
30	27	38 53	42 84	9 118	6 154	40 180	0 210	12 241	42 214	41 306	13 334	22 360	0

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0	0	0 27	29 53	19 84	42 117	43 154	37 180	0 210	3 242	11 274	18 306	41 334	37
1	0	50 26	18 54	19 87	41 118	45 150	39 181	211	55 243	23 276	28 307	40 337	28
2	1	40 27	11 55	19 86	43 119	48 151	45 182	212	23 244	29 277	29 308	39 336	20
3	2	30 28	4 56	19 87	48 120	59 152	43 183	213	29 245	37 278	38 309	38 337	12
4	3	20 28	57 57	19 88	4 122	4 153	45 184	214	31 246	41 279	37 310	31 338	4
5	4	10 29	50 58	19 89	10 123	9 154	46 185	0 217	38 247	43 280	44 311	37 338	56
6	5	0 30	44 59	20 90	16 124	14 155	48 186	1 216	31 248	53 281	45 312	33 339	48
7	5	50 31	38 60	21 91	22 125	19 156	49 187	1 217	40 249	59 282	53 313	30 340	40
8	6	40 32	32 61	22 92	28 126	23 157	50 188	2 218	43 271	7 283	57 314	28 341	31
9	7	30 33	26 62	23 93	34 127	28 158	11 189	2 219	46 272	11 284	1 317	27 342	23
10	8	20 34	21 63	24 94	41 128	32 159	42 190	2 220	45 273	17 286	7 316	22 343	14
11	9	10 37	16 64	21 97	41 129	31 160	43 191	3 221	12 274	23 287	9 317	19 344	5
12	10	0 36	11 65	30 97	43 130	41 161	48 192	3 222	47 277	29 288	12 318	17 344	56
13	10	51 37	6 66	32 99	0 131	46 162	47 193	4 223	19 276	37 289	16 319	12 345	47
14	11	41 38	1 67	37 100	6 132	51 163	46 194	4 224	2 277	41 290	19 320	8 346	38
15	12	32 38	56 68	38 101	12 133	55 164	46 197	5 226	6 278	45 291	22 321	4 347	28
16	13	22 39	52 69	41 102	19 134	58 167	51 196	6 227	10 279	51 292	24 324	59 348	19
17	14	13 40	48 70	44 103	24 136	1 166	51 197	7 228	14 261	0 293	28 322	54 349	9
18	15	4 41	45 71	48 104	31 137	5 167	48 198	8 229	17 262	7 294	30 323	49 350	0
19	15	55 42	41 72	51 105	31 138	8 168	48 199	9 230	23 263	12 297	33 324	44 350	50
20	16	46 43	38 73	57 106	43 139	11 169	50 200	10 231	28 264	14 296	37 327	39 351	40
21	17	31 44	37 74	59 107	49 140	14 170	49 201	11 232	32 267	26 297	37 326	34 352	30
22	18	29 45	32 76	3 108	57 141	17 171	49 202	12 233	31 266	32 298	39 327	28 353	20
23	19	20 46	30 77	1 110	1 142	20 173	0 203	14 234	41 267	38 299	40 328	22 354	10
24	20	12 47	27 78	11 111	7 143	23 174	204	17 235	46 268	44 300	41 329	16 355	0
25	21	4 48	24 79	16 112	13 144	26 177	207	17 236	51 269	51 301	330	10 357	50
26	21	[illegible] 49	23 80	21 113	19 147	29 176	206	17 237	56 270	56 302	331	3 356	40
27	22	50 50	22 81	26 114	24 146	31 177	207	4 238	1 272	2 303	331	56 357	30
28	23	41 51	21 82	31 117	31 147	33 178	208	23 240	6 273	1 304	332	49 358	20
29	24	32 52	20 83	36 116	37 148	35 179	209	24 241	11 274	13 307	333	42 359	10
30	25	23 53	19 84	42 117	43 149	37 180	0 210	3 242	11 274	18 306	41 334	37 360	0

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0	0	0	27	12	52	55	84	12	117	19	149	24	180	0	210	36	242	49	275	43	307	9	334	48
1	0	49	26	4	53	[illegible]	87	19	118	24	170	21	181	0	211	38	243	4	276	13	308	4	337	44
2	1	35	26	51	54	[illegible]	86	29	119	31	171	29	182	1	212	42	284	11	279	1	310	1	337	24
3	2	28	27	49	55	[illegible]	87	31	120	36	172	31	183	1	213	43	284	11	280	6	310	49	338	16
4	3	11	28	42	56	[illegible]	88	31	121	42	173	33	184	2	214	46	247	11	281	11	311	11	334	1
5	4	1	29	37	57	55	89	43	122	49	174	37	187	3	217	49	248	11	282	16	312	48	339	58
6	4	46	30	28	58	56	90	49	123	52	177	31	186	3	216	52	250	23	283	20	313	51	340	49
7	5	46	31	22	59	51	91	55	124	51	176	39	187	4	217	59	251	29	284	24	314	48	341	40
8	6	36	32	16	60	58	93	1	126	2	177	41	188	4	218	2	252	37	287	28	317	43	342	31
9	7	21	33	10	61	59	94	1	127	7	178	43	189	5	220	6	253	42	286	32	316	42	343	22
10	8	16	34	4	63	5	95	14	128	12	179	44	190	6	221	9	254	48	281	36	314	38	344	13
11	9	6	34	58	64	2	96	20	129	17	160	46	191	6	222	13	255	52	286	39	318	38	345	3
12	9	56	35	51	65	4	97	26	130	22	161	41	192	7	223	16	257	2	289	43	319	30	345	54
13	10	46	36	48	66	6	98	32	131	27	162	48	193	8	224	20	258	7	290	46	320	26	346	44
14	11	36	37	43	67	8	99	39	132	32	163	49	194	9	225	24	259	11	291	49	321	22	347	34
15	12	26	38	38	68	11	100	47	133	36	164	50	195	10	226	28	260	21	291	52	322	11	348	24
16	13	16	39	34	69	14	101	51	134	40	165	51	196	11	227	28	261	28	292	52	323	12	349	14
17	14	6	40	30	70	11	102	58	135	44	166	52	197	12	228	33	262	38	293	58	324	7	350	4
18	14	51	41	26	71	21	104	7	136	51	167	53	198	13	229	38	263	45	294	57	327	2	350	58
19	15	44	42	22	72	28	105	12	137	51	168	58	199	14	230	43	264	56	297	58	325	51	351	44
20	16	38	43	18	73	28	106	18	138	58	169	58	200	16	231	48	265	53	297	0	327	56	352	34
21	17	29	44	11	74	33	107	24	139	58	170	55	201	17	230	53	266	55	298	1	326	50	353	24
22	18	20	45	12	75	36	108	31	141	1	171	56	202	19	233	58	266	59	299	2	321	44	354	14
23	19	11	46	9	76	40	109	31	142	7	172	56	203	21	234	3	268	11	300	3	328	38	355	4
24	20	2	47	6	77	44	110	43	143	8	173	57	204	23	235	8	269	15	301	4	329	32	355	53
25	20	53	48	3	78	49	112	49	144	11	174	59	207	27	237	13	270	23	302	5	330	27	356	43
26	21	44	49	1	79	54	112	55	145	14	175	58	206	29	238	18	271	29	303	5	331	18	357	32
27	22	36	49	59	80	59	114	1	146	17	176	59	207	29	239	28	272	23	304	5	332	11	358	22
28	23	28	50	58	82	4	117	7	147	19	177	59	208	31	240	29	273	49	307	9	333	5	359	11
29	24	20	51	56	83	9	116	13	148	22	179	0	209	33	241	37	274	46	306	9	333	58	360	0
30	27	12	52	55	84	12	117	19	149	24	180	0	210	36	242	4	275	[illegible]	307	7	334	48	360	0

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0	0	0	24	55	52	32	83	46	116	16	149	11	180	0	210	49	243	4	275	14	301	28	335	1
1	0	49	27	51	53	31	84	51	118	2	170	14	181	1	211	52	244	10	277	19	308	21	335	53
2	1	38	26	43	54	30	85	51	119	3	171	17	182	2	212	52	285	16	278	28	309	29	336	44
3	2	27	27	37	55	30	87	3	120	14	172	19	183	3	213	48	286	23	279	24	310	23	337	36
4	3	16	28	27	56	30	88	9	121	20	173	22	184	4	214	1	287	29	280	34	311	21	338	27
5	4	5	29	20	57	30	89	11	122	27	174	28	187	5	216	4	288	36	281	39	312	19	339	18
6	4	54	30	13	58	30	90	21	123	31	177	27	186	6	217	7	289	42	282	44	313	16	340	9
7	5	43	31	7	59	31	91	27	124	36	176	29	187	7	218	11	290	44	283	44	314	13	341	0
8	6	33	32	0	60	32	92	33	127	42	177	31	188	8	219	14	291	52	284	51	314	10	341	50
9	7	22	33	48	61	33	93	39	126	41	178	33	189	9	220	18	273	1	284	1	316	6	342	41
10	8	12	34	43	62	34	95	46	127	42	179	37	190	10	221	22	274	8	287	10	317	2	343	31
11	9	0	37	42	63	36	97	52	128	51	160	37	191	11	222	26	277	14	288	3	317	58	344	21
12	9	50	36	36	64	38	96	59	130	2	161	39	192	12	223	34	276	27	289	6	318	55	345	11
13	10	49	37	34	65	40	98	4	131	7	162	40	193	14	224	38	277	21	290	9	319	50	346	1
14	11	27	38	24	66	42	99	12	132	12	163	42	194	15	227	38	278	34	291	11	320	46	346	51
15	12	19	39	19	67	47	100	19	133	17	164	43	197	17	226	43	279	42	292	5	321	43	347	49
16	13	9	40	14	68	48	101	26	134	22	167	49	196	18	227	48	260	42	293	18	322	36	348	31
17	13	59	41	10	69	51	102	33	137	26	166	40	197	20	228	53	261	55	294	20	323	30	349	20
18	14	49	42	6	70	58	103	39	136	30	167	44	198	21	229	58	263	1	295	23	324	25	350	10
19	15	39	42	2	71	51	104	46	137	38	168	49	199	23	231	3	264	8	296	28	327	18	350	59
20	16	29	42	58	73	5	105	52	138	38	169	50	200	24	232	8	265	14	297	26	326	13	351	48
21	17	19	43	54	74	8	106	59	139	42	170	51	201	27	233	13	266	21	298	23	327	6	352	38
22	18	10	44	50	75	8	108	5	140	46	171	52	202	29	234	18	267	29	299	28	328	0	353	27
23	19	0	45	47	76	12	109	12	141	49	172	53	203	31	235	24	268	33	300	2	328	53	354	11
24	19	51	46	44	77	16	110	18	142	53	173	54	204	33	236	29	269	39	301	3	329	44	354	6
25	20	42	47	41	78	21	111	24	143	56	174	55	207	34	237	35	270	45	302	3	330	53	355	55
26	21	33	48	39	79	26	112	31	144	59	177	56	206	38	238	40	271	51	303	3	331	33	356	46
27	22	25	49	37	80	31	113	37	146	2	176	57	207	41	239	46	272	59	304	3	332	27	357	48
28	23	16	50	37	81	36	114	44	147	5	177	58	208	43	240	54	274	3	305	3	333	11	358	[illegible]
29	24	7	51	33	82	41	117	50	148	8	178	59	209	46	241	58	217	5	306	5	334	4	359	[illegible]
30	24	59	52	32	83	46	116	56	149	11	180	0	210	49	243	4	276	[illegible]	307	[illegible]	335	1	360	0

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0	0 0	24 46	52 9	83 19	116 33	148 48	180 0	211 2	243 21	276 41	307 41	335 44
1	0 48	25 43	53 8	84 27	117 39	150 1	181 1	212 5	244 33	277 41	308 44	336 5
2	1 37	26 29	54 7	85 31	118 44	151 4	182 2	213 8	245 46	278 42	309 41	336 56
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10	8 7	33 31	62 8	94 19	127 31	159 26	190 14	221 39	254 34	287 21	317 23	343 41
11	8 56	34 28	63 10	95 26	128 37	160 28	191 16	222 43	255 46	288 30	318 19	344 30
12	9 45	35 18	64 12	96 33	129 42	161 30	192 18	223 48	256 46	289 33	319 14	345 20
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15	12 12	37 59	67 18	99 52	132 58	164 36	195 24	227 2	260 5	292 42	322 0	347 48
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19	15 34	41 41	71 30	104 20	137 17	168 44	199 32	231 23	264 38	296 50	325 37	351 4
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21	17 10	43 33	73 37	106 33	139 25	170 48	201 36	233 34	267 49	298 54	327 29	352 43
22	18 0	44 29	74 41	107 40	140 29	171 50	202 39	234 40	268 56	299 57	328 14	353 32
23	18 50	45 26	75 45	108 46	141 33	172 52	203 41	235 45	270 4	300 59	329 10	354 21
24	19 40	46 22	76 49	109 53	142 36	173 54	204 44	236 51	271 11	302 1	330 4	355 10
25	20 31	47 19	77 53	110 59	143 41	174 57	205 [illegible]	237 57	272 13	303 3	330 57	355 59
26	21 22	48 11	78 58	112 6	144 44	175 59	206 50	239 2	273 18	304 5	331 51	356 48
27	22 13	49 11	80 3	113 13	145 48	177 1	207 53	240 13	274 28	305 7	332 44	357 37
28	23 4	50 13	81 8	114 20	146 42	178 3	208 56	241 [illegible]	275 29	306 9	333 39	358 23
29	23 55	51 11	82 13	115 24	147 45	179 [illegible]	209 59	242 [illegible]	276 [illegible]	307 [illegible]	334 [illegible]	359 12
30	24 46	52 9	83 19	116 33	148 48	180 0	211 2	243 21	276 41	307 41	337 44	360 0

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0	0 0	24 33	51 44	82 41	116 [illegible]	148 49	180 0	211 51	243 51	277 10	308 41	335 31
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2	1 30	26 51	53 43	84 1	118 22	150 52	182 3	213 22	246 5	279 20	310 11	337 9
3	2 24	27 1	54 42	85 1	119 29	151 56	183 5	214 26	247 12	280 29	311 9	337 59
4	3 12	27 48	55 41	86 13	120 37	152 59	184 7	215 30	248 19	281 30	312 0	338 50
5	4 1	28 50	56 40	87 19	121 41	154 2	185 9	216 38	249 26	282 33	313 3	339 40
6	4 49	29 42	57 40	88 27	122 41	155 5	186 11	217 38	250 32	283 39	314 0	340 30
7	5 37	30 38	58 40	89 31	123 43	156 8	187 13	218 43	251 37	284 43	314 46	341 20
8	6 26	31 27	59 40	90 38	124 49	157 11	188 41	219 48	252 44	285 44	315 42	342 10
9	7 14	32 20	60 41	91 44	126 5	158 14	189 11	220 54	253 43	286 41	316 48	343 0
10	8 3	33 13	61 42	92 41	127 10	159 11	190 17	221 57	255 0	287 7	317 44	343 49
11	8 51	34 6	62 43	93 44	128 16	160 20	191 21	223 1	256 1	288 48	318 39	344 38
12	9 40	34 59	63 45	95 4	129 22	161 23	192 23	224 6	257 14	290 1	319 44	345 27
13	10 28	35 43	64 47	97 11	130 28	162 27	193 27	225 11	258 21	291 4	320 24	346 16
14	11 17	36 41	65 49	98 18	131 34	163 28	194 31	226 16	259 28	292 7	321 28	347 5
15	12 6	37 41	66 51	99 27	132 39	164 30	195 30	227 35	260 21	293 37	322 1	347 48
16	12 55	38 36	67 53	100 32	133 44	165 33	196 33	228 26	261 44	294 11	323 13	348 43
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18	14 33	40 26	69 59	102 46	135 48	167 31	198 31	230 38	263 46	296 0	325 1	350 20
19	15 22	41 21	71 2	103 53	136 59	168 37	199 40	231 44	264 53	297 11	325 58	351 9
20	16 11	42 16	72 7	105 0	138 3	169 41	200 43	232 52	265 59	298 18	326 51	351 57
21	17 0	43 12	73 9	106 7	139 8	170 43	201 46	233 57	267 16	299 19	327 46	352 46
22	17 50	44 8	74 13	107 14	140 13	171 42	202 49	234 1	268 23	300 20	328 33	353 34
23	18 40	45 4	75 17	108 21	141 11	172 42	203 52	235 6	269 33	301 20	329 26	354 23
24	19 30	46 0	76 21	109 28	142 22	173 42	204 57	237 13	270 37	302 20	330 18	355 11
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27	22 1	48 41	79 37	112 48	145 36	176 55	208 2	240 31	273 43	305 [illegible]	332 43	357 36
28	22 [illegible]	49 48	80 6	113 44	146 38	177 41	209 32	241 38	274 49	306 11	333 48	358 24
29	23 [illegible]	50 [illegible]	81 44	114 2	147 42	178 49	210 11	242 2	276 7	307 16	334 56	359 12
30	24 [illegible]	51 [illegible]	82 40	116 [illegible]	148 49	180 0	211 17	243 31	277 [illegible]	308 41	335 21	360 0

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0	0	0	24	20	51	20	82	22	115	44	148	32	180	0	211	28	244	16	277	38	308	40	335	40
1	0	41	25	11	52	18	83	21	116	51	149	36	181	2	212	32	245	23	278	43	309	38	336	31
2	1	35	26	2	53	11	84	33	117	58	150	40	182	4	213	36	246	30	279	48	310	35	337	21
3	2	22	26	53	54	16	85	39	119	5	151	44	183	7	214	40	247	37	280	53	311	32	338	11
4	3	10	27	44	55	11	86	45	120	12	152	48	184	9	215	44	248	44	281	58	312	29	339	1
5	3	58	28	35	56	[illegible]	87	51	121	18	153	51	185	12	216	49	249	51	283	3	313	26	339	51
6	4	46	29	27	[illegible]	[illegible]	88	57	122	25	154	54	186	14	217	54	250	58	284	8	314	22	340	41
7	5	35	30	19	[illegible]	[illegible]	90	3	123	31	155	58	187	16	218	59	252	5	285	13	315	19	341	30
8	6	22	31	11	58	[illegible]	91	10	124	37	157	2	188	19	220	4	253	12	286	[illegible]	316	16	342	20
9	7	10	32	3	59	[illegible]	92	16	125	43	158	5	189	21	221	9	254	19	287	19	317	10	343	9
10	7	58	32	49	60	[illegible]	93	23	126	49	159	8	190	24	222	[illegible]	255	21	288	33	318	41	343	58
11	8	46	33	42	61	[illegible]	94	29	127	56	160	11	191	26	223	14	256	35	289	26	319	[illegible]	344	47
12	9	34	34	35	62	16	95	36	129	2	161	14	192	29	224	[illegible]	[illegible]	[illegible]	290	[illegible]	319	[illegible]	345	36
13	10	22	35	28	63	11	96	43	130	8	162	11	193	31	225	29	258	[illegible]	291	32	320	[illegible]	346	24
14	11	10	36	22	64	19	97	50	131	14	163	20	194	34	226	34	259	[illegible]	292	[illegible]	321	44	347	13
15	11	59	37	16	65	21	98	57	132	20	164	23	195	37	227	[illegible]	261	3	293	[illegible]	322	38	348	1
16	12	47	38	10	66	23	100	4	133	26	165	26	196	40	228	46	262	[illegible]	294	[illegible]	323	[illegible]	348	[illegible]
17	13	36	39	5	67	27	101	11	134	31	166	29	197	43	229	[illegible]	263	[illegible]	295	[illegible]	324	[illegible]	349	38
18	14	24	40	0	68	28	102	18	135	36	167	31	198	46	230	[illegible]	264	[illegible]	296	[illegible]	325	27	350	26
19	15	13	40	55	69	31	103	25	136	41	168	34	199	49	232	2	265	[illegible]	297	[illegible]	326	11	351	14
20	16	2	41	49	70	38	104	33	137	46	169	36	200	52	233	[illegible]	266	[illegible]	298	[illegible]	327	[illegible]	352	2
21	16	51	42	46	71	[illegible]	105	41	138	51	170	39	201	55	234	[illegible]	267	[illegible]	299	[illegible]	327	[illegible]	352	50
22	17	40	43	42	72	[illegible]	106	48	139	56	171	41	202	58	235	[illegible]	268	[illegible]	300	[illegible]	328	[illegible]	353	38
23	18	30	44	38	73	[illegible]	107	55	141	1	172	44	204	2	236	28	269	[illegible]	301	[illegible]	329	[illegible]	354	26
24	19	19	45	34	74	[illegible]	109	2	142	6	173	46	205	5	237	[illegible]	271	[illegible]	302	[illegible]	329	[illegible]	355	14
25	20	9	46	31	75	[illegible]	110	9	143	11	174	48	206	8	238	42	272	9	303	[illegible]	331	[illegible]	356	2
26	20	59	47	28	76	[illegible]	111	16	144	16	175	[illegible]	207	12	239	[illegible]	273	[illegible]	304	[illegible]	332	16	356	50
27	21	49	48	25	77	[illegible]	112	23	145	20	176	[illegible]	208	16	240	[illegible]	274	[illegible]	305	[illegible]	333	1	357	38
28	22	39	49	22	78	[illegible]	113	30	146	24	177	[illegible]	209	20	242	[illegible]	275	[illegible]	306	[illegible]	333	[illegible]	358	27
29	23	29	50	20	80	[illegible]	114	37	147	28	178	[illegible]	210	24	243	9	276	33	307	[illegible]	334	[illegible]	359	13
30	24	20	51		82	22	115	44	148	32	180	0	211	28	244	16	277	38	308	40	335	40	360	0

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0	0	0	24	7	50	46	81	43	115	20	148	14	180	0	211	46	244	40	278	17	309	14	335	53
1	0	41	24	58	51	44	82	48	116	21	149	24	181	2	212	49	245	[illegible]	279	[illegible]	310	2	336	43
2	1	34	25	41	52	42	83	[illegible]	117	38	150	28	182	[illegible]	213	[illegible]	246	[illegible]	280	11	310	[illegible]	337	33
3	2	[illegible]	26	37	53	41	85	10	118	9	151	32	183	8	214	[illegible]	248	[illegible]	281	22	311	[illegible]	338	23
4	3	8	27	28	54	40	86	16	119	44	152	36	184	11	216	0	249	4	282	24	312	[illegible]	339	13
5	3	56	28	19	55	49	87	22	120	47	153	40	185	[illegible]	217	[illegible]	250	[illegible]	283	32	313	[illegible]	340	2
6	4	43	29	10	56	44	88	28	122	2	154	44	186	11	218	10	251	[illegible]	284	[illegible]	314	[illegible]	340	51
7	5	30	30	2	[illegible]	[illegible]	89	37	123	5	155	48	187	20	219	41	252	31	285	[illegible]	317	[illegible]	341	[illegible]
8	6	18	30	54	[illegible]	[illegible]	90	41	124	11	156	52	188	23	220	21	253	37	286	[illegible]	316	36	342	29
9	7	5	31	46	59	[illegible]	91	48	125	22	157	56	189	26	221	26	254	[illegible]	287	[illegible]	317	31	343	18
10	7	53	32	38	60	48	92	55	126	28	158	59	190	29	222	32	255	[illegible]	288	41	318	26	344	7
11	8	40	33	30	61	49	94	1	127	37	159	3	191	32	223	37	257	[illegible]	289	[illegible]	319	21	344	56
12	9	28	34	23	62	[illegible]	95	8	128	41	160	6	192	37	224	43	258	8	290	[illegible]	320	16	345	44
13	10	16	35	16	63	[illegible]	96	15	129	[illegible]	161	10	193	38	225	[illegible]	259	16	291	[illegible]	321	10	346	32
14	11	4	36	9	64	[illegible]	97	22	130	[illegible]	162	13	194	41	226	[illegible]	260	23	293	3	322	4	347	20
15	11	52	37	2	65	[illegible]	98	29	132	0	163	16	195	44	228	0	261	31	294	[illegible]	322	58	348	8
16	12	40	37	56	66	[illegible]	99	37	133	6	164	19	196	41	229	6	262	38	295	[illegible]	323	51	348	56
17	13	28	38	50	68	[illegible]	100	44	134	12	165	22	197	40	230	12	263	[illegible]	296	[illegible]	324	44	349	44
18	14	16	39	44	69	[illegible]	101	52	135	17	166	25	198	45	231	19	264	[illegible]	297	[illegible]	325	37	350	32
19	15	4	40	39	70	[illegible]	102	59	136	23	167	28	199	47	232	25	265	[illegible]	298	[illegible]	326	30	351	20
20	15	53	41	34	71	[illegible]	104	6	137	28	168	31	201	1	233	32	267	[illegible]	299	[illegible]	327	22	352	7
21	16	42	42	29	72	[illegible]	105	14	138	[illegible]	169	34	202	4	234	[illegible]	268	[illegible]	300	[illegible]	328	[illegible]	352	55
22	17	31	43	24	73	[illegible]	106	21	139	[illegible]	170	37	203	8	235	[illegible]	269	[illegible]	301	[illegible]	329	[illegible]	353	42
23	18	20	44	19	74	[illegible]	107	29	140	[illegible]	171	40	204	12	236	[illegible]	270	[illegible]	302	[illegible]	330	[illegible]	354	30
24	19	9	45	15	75	[illegible]	108	36	141	[illegible]	172	43	205	16	237	[illegible]	271	[illegible]	303	[illegible]	331	[illegible]	355	17
25	19	58	46	11	76	[illegible]	109	43	142	[illegible]	173	46	206	20	238	[illegible]	272	[illegible]	304	[illegible]	332	[illegible]	356	4
26	20	47	47	7	77	[illegible]	110	[illegible]	144	[illegible]	174	49	207	[illegible]	239	[illegible]	273	[illegible]	305	[illegible]	333	[illegible]	356	51
27	21	37	48	4	78	[illegible]	111	[illegible]	145	[illegible]	175	52	208	[illegible]	240	[illegible]	274	[illegible]	306	[illegible]	334	[illegible]	357	38
28	22	27	49	1	79	[illegible]	112	[illegible]	146	[illegible]	176	[illegible]	209	32	242	[illegible]	276	[illegible]	307	[illegible]	335	[illegible]	358	[illegible]
29	23	17	49	58	80	[illegible]	114	15	147	[illegible]	177	[illegible]	210	36	243	[illegible]	277	[illegible]	308	6	335	[illegible]	359	[illegible]
30	24	7	50	46	81	43	115	20	148	14	180	0	211	46	244	40	278	17	309	14	335	53	360	0

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0	0	0	23	45	70	31	81	23	114	47	148	4	180	0	211	47	249	4	248	37	304	24	336	7
1	0	46	24	43	71	29	82	29	116	3	169	10	181	3	212	0	246	12	279	42	310	20	336	11
2	1	33	27	33	72	21	83	37	117	10	170	11	182	6	213	7	247	20	240	41	311	23	337	46
3	2	20	26	23	73	26	84	41	118	18	171	20	183	9	214	12	248	32	281	12	312	19	338	37
4	3	1	27	12	74	28	85	41	119	27	172	27	184	12	217	13	249	37	282	21	313	10	339	24
5	3	41	28	32	77	23	86	43	120	32	173	29	187	16	216	20	270	43	284	1	314	13	340	13
6	4	41	28	47	76	22	87	49	121	34	174	38	186	19	217	27	271	40	287	7	317	8	341	2
7	5	28	29	46	77	22	89	6	122	46	177	38	187	22	218	31	272	18	286	7	316	3	341	41
8	6	41	30	38	78	21	90	12	123	13	176	42	188	26	219	31	274	9	281	13	316	48	342	39
9	7	2	31	29	79	21	91	19	127	0	171	46	189	29	220	43	277	13	288	11	317	43	343	28
10	7	49	32	21	60	21	92	26	126	6	178	40	190	33	221	44	276	21	289	22	318	43	344	16
11	8	36	33	13	61	22	93	33	121	13	179	18	191	36	223	7	271	28	290	23	319	42	347	16
12	9	23	34	7	62	23	94	40	128	20	160	48	192	40	227	1	278	36	291	26	320	36	347	42
13	10	10	34	28	63	28	97	41	129	21	162	2	193	43	226	7	279	43	292	28	321	33	346	40
14	10	41	37	40	64	24	96	44	130	34	163	6	194	41	227	13	260	41	293	31	322	24	347	25
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19	14	40	40	15	69	21	102	32	136	41	168	28	200	6	232	42	266	21	298	30	326	47	341	24
20	17	44	41	12	70	40	103	39	137	11	169	21	201	10	233	12	267	3	299	34	327	13	342	11
21	16	32	42	7	71	13	104	41	138	17	170	31	202	4	237	0	268	43	300	34	328	31	343	18
22	17	21	43	2	72	41	107	47	139	23	171	38	203	18	230	7	269	43	301	43	329	32	344	41
23	18	9	43	41	73	11	106	2	140	29	172	38	204	22	231	18	270	48	302	33	330	42	347	32
24	18	48	44	42	74	41	108	1	141	37	173	4	207	26	238	2	272	1	303	48	331	13	346	19
25	19	44	47	44	77	29	109	11	142	40	174	44	206	31	239	28	273	1	304	31	331	16	347	6
26	20	36	46	44	77	3	110	27	143	4	177	48	207	37	240	37	274	13	307	36	332	4	347	42
27	21	27	41	41	78	8	111	13	144	40	176	41	208	4	241	42	277	19	306	37	333	13	377	40
28	22	14	48	31	79	13	112	40	147	47	177	42	209	40	242	40	270	13	307	33	334	21	378	21
29	23	3	49	38	80	18	113	48	147	4	178	32	210	42	243	32	277	31	308	31	337	11	379	48
30	23	13	70	31	81	23	114	47	148	7	180	0	211	47	248	4	278	31	309	24	336	13	360	0

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0	0	0	23	37	70	6	80	48	114	30	147	47	180	0	212	9	247	30	279	6	309	48	336	21
1	0	46	24	23	71	4	81	49	117	38	168	41	181	3	213	14	246	38	280	11	310	41	337	10
2	1	32	27	38	72	2	82	41	110	46	170	2	182	17	214	19	247	46	281	16	311	41	337	49
3	2	19	26	8	73	0	83	11	117	43	171	7	183	10	217	24	248	42	282	21	312	44	338	48
4	3	1	26	48	73	48	84	11	119	1	172	12	184	14	216	30	270	22	283	20	313	40	339	31
5	3	42	27	48	74	46	87	23	121	8	173	11	187	18	217	36	271	10	284	31	314	36	340	27
6	4	38	28	39	77	47	86	29	124	16	174	22	186	22	218	42	272	18	287	37	317	31	341	13
7	5	28	29	30	76	48	87	36	122	23	177	31	187	26	219	48	273	26	286	39	316	26	342	1
8	6	11	30	21	77	48	88	43	123	31	176	32	188	30	220	41	274	38	287	42	317	20	342	49
9	6	41	31	12	78	43	89	40	124	38	177	31	189	38	222	0	277	42	288	42	318	43	343	31
10	7	44	32	3	79	43	91	41	127	44	178	41	190	38	223	7	276	40	289	41	319	9	344	27
11	8	30	32	47	60	48	93	4	126	13	179	46	191	4	222	4	277	17	320	41	320	3	347	13
12	9	11	33	41	61	47	94	11	128	0	160	40	192	46	227	19	279	7	320	4	320	17	346	4
13	10	4	34	37	62	46	97	18	129	7	161	48	193	40	226	26	260	12			321	40	346	44
14	10	41	37	31	63	41	96	24	130	14	162	48	194	44	227	32	261	20	293	47	322	44	347	37
15	11	38	30	23	64	49	97	33	131	21	164	21	197	48	228	37	262	27	297	1	323	37	348	22
16	12	27	37	10	66	1	98	40	132	28	167	6	197	2	229	46	263	37			324	29	349	4
17	13	12	38	10	67	3	99	48	133	38	166	10	198	6	230	43	264	12			327	21	349	46
18	14	10	39	3	68	6	100	47	134	41	167	14	199	10	232	42	267	49			326	13	340	47
19	14	41	40	47	69	8	102	3	137	41	168	13	200	18	233	7	266	4	327	6	327	7	341	30
20	17	37	41	71	10	11	103	11	136	43	169	22	201	14	234	41	268	3	327	1	327	41	342	10
21	16	23	42	44	71	18	104	18	138	0	170	26	202	23	237	22	269	10		1	328	48	343	3
22	17	11	43	40	72	18	107	26	139	6	171	30	203	23	236	29	270	11		6	329	3	347	4
23	17	47	44	34	73	21	106	38	140	12	172	34	204	13	237	32	271	28		6	330	32	344	30
24	18	41	47	20	74	27	107	42	141	18	173	18	207	28	238	44	272	31		7	331	21	347	22
25	19	37	46	28	77	29	108	40	142	28	174	42	206	44	239	47	273	37		8	332	12	346	3
26	20	23	47	20	76	38	109	48	143	30	177	40	207	48	240	49	274	13	333	2	333	2	347	6
27	21	12	48	16	77	39	111	6	144	37	176	4	208	43	242	17	277	8	307	0	333	47	347	41
28	22	1	49	13	78	48	112	19	147	8	177	13	209	12	243	14	276	17	308	13	334	43	348	28
29	22	10			79	49	113	22	146	26	178	47	211	32	244	22	278	13	308	16	337	32	349	13
30	23	3	70	6	80	48	114	30	147	47	180	0	212	9	244	13	279	6	309	48	336	21	360	0

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0 0	0 23	24 59	5 80	23 118	4 157	31 180	0 212	23 284	7 274	3 310	19 336	37
1 0	54 25	15 70	38 81	24 117	13 155	53 181	5 213	24 251	5 280	5 311	16 337	55
2 1	31 27	3 71	36 82	34 116	41 159	59 182	5 215	34 258	22 281	59 312	12 338	12
3 2	11 24	44 72	38 83	57 117	29 170	9 183	12 217	5 259	20 282	4 313	8 339	1
5 3	3 26	57 73	32 85	57 118	37 172	0 185	10 216	57 270	28 283	13 315	5 339	59
4 3	59 27	31 75	30 84	43 119	59 173	4 187	2 211	43 271	36 287	31 315	43 350	37
6 5	34 28	24 77	29 86	49 120	43 175	11 180	24 218	59 272	55 286	13 317	41 352	24
7 4	29 29	11 76	28 88	6 122	1 177	16 181	29 220	0 274	12	4 316	59 353	13
8 6	7 30	12 77	21 89	13 123	8 176	21 188	3 224	12 277	0	13 317	53 383	0
9 6	13 30	43 78	26 90	20 125	10 171	26 189	38 222	19 276	8	16 318	37 385	58
10 7	39 31	55 79	26 91	27 124	23 178	31 190	53 223	26 277	16	17 319	31 355	34
11 8	27 32	37 60	26 92	38 126	31 174	34 191	57 225	32 275	25	22 320	23 354	22
12 9	11 33	26 61	27 93	51 127	38 160	51 192	41 227	39 279	32	25 321	19 356	9
13 9	48 35	18 62	28 95	59 128	56 161	56 193	16 226	56 260	55	26 322	12 358	10
15 10	55 34	10 63	24 94	40 129	43 162	41 194	0 227	13 261	58	32 323	3 357	43
14 11	31 36	2 65	30 97	5 131	0 163	44 196	1 229	0 262	4	33 323	58 358	29
16 12	11 36	44 64	32 98	12 132	7 164	0 197	9 230	1 265	5	31 325	43 359	16
17 13	5 37	5 66	38 99	20 133	15 166	5 198	15 281	15 264	11	32 327	53 340	2
18 13	41 38	5 67	36 100	28 135	21 167	4 199	12 282	22 265	19	33 320	13 340	49
19 15	38 39	34 68	38 101	36 137	28 168	13 200	24 283	24 267	26	38 321	23 341	41
20 14	27 40	29 69	51 102	55 136	35 169	11 201	24 285	31 268	33	38 328	16 342	24
21 16	12 51	23 70	55 103	42 131	51 170	22 202	35 284	59 269	5	33 329	7 343	7
22 17	0 52	17 71	57 104	0 138	58 171	26 203	39 230	43 270	55	33 329	58 343	33
23 17	57 53	11 72	41 105	8 134	45 172	31 205	55 237	49 271	15	32 330	59 344	34
25 18	37 55	6 73	47 104	16 151	1 173	34 204	59 239	7 273	1	31 331	39 345	21
24 19	23 54	1 75	49 108	24 152	7 175	39 206	47 250	21 275	7	30 332	29 347	11
26 20	11 57	46 76	3 109	32 153	13 177	55 208	0 251	23 247	13	28 333	19 347	49
27 20	49 56	42 77	8 110	50 155	19 176	55 209	6 252	31 276	19	25 335	3 347	53
28 21	56 51	55 78	13 111	58 157	24 177	4 210	11 253	39 277	24	22 335	5 348	29
29 22	36 55	55 79	16 112	40 156	31 178	16 211	11 256	5 278	31	22 337	53 349	41
30 23	27 59	5 80	23 118	4 157	31 180	0 212	23 284	7 274	9	31 310	19 336	53 360 0

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0 0	0 23	11 59	41 79	42 113	39 157	23 180	0 212	31 286	21 280	8 310	49 336	59
1 0	59 23	44 70	12 80	48 115	58 158	29 181	5 213	53 257	29 281	13 311	49 337	31
2 1	30 25	58 71	9 82	5 114	46 159	24 182	9 215	54 258	35 282	18 312	3 338	24
3 2	16 27	37 72	6 83	10 117	5 170	51 183	13 217	46 259	56 283	23 313	33 339	13
5 3	1 26	26 73	5 185	16 118	12 171	51 185	18 217	2 270	42 285	27 315	27 350	1
4 3	57 27	41 75	2 187	23 119	20 172	44 187	23 218	9 272	5 287	31 317	25 350	49
6 5	32 28	4 77	0 186	29 120	28 175	2 186	21 219	16 273	13 286	37 316	18 351	36
7 4	18 28	47 77	44 87	30 121	36 177	8 187	32 220	23 275	21 287	39 317	12 352	23
8 6	3 29	54 76	48 88	53 122	55 176	15 188	31 221	30 277	29 288	53 315	6 353	10
9 6	54 30	34 77	47 89	40 123	42 177	11 189	52 222	31 276	31 289	54 319	0 353	57
10 7	37 31	20 78	47 90	41 124	0 178	22 190	57 223	55 277	52 290	59 319	47 355	55
11 8	20 32	18 79	47 92	5 125	8 174	28 191	43 225	41 278	33 291	41 320	57 355	31
12 9	6 33	8 60	48 93	12 127	16 160	33 192	47 224	48 260	1 292	43 321	53 356	11
13 9	42 33	49 61	44 95	19 128	25 161	38 195	2 227	12 261	9 293	4 322	33 357	57
15 10	30 35	40 63	0 197	27 129	32 162	53 197	12 228	12 262	11 295	41 323	26 358	40
14 11	28 37	53 65	1 96	34 130	50 163	55 196	12 229	20 263	27 297	44 325	1 358	36
16 12	10 36	38 67	3 97	53 131	55 165	33 197	11 230	28 265	33 294	40 327	43 359	22
17 12	46 37	41 66	4 98	41 132	47 164	48 198	22 231	30 264	51 298	1 330	1 370	8
18 13	53 38	20 67	6 99	47 135	2 166	3 199	27 232	55 266	58 299	23 326	12 370	55
19 15	29 39	13 68	9 101	7 137	9 167	5 200	32 233	42 267	16 300	3 327	53 371	40
20 17	16 40	6 69	11 102	0 136	16 168	13 201	38 237	0 269	33 301	3 328	53 372	21
21 16	3 51	0 70	18 103	23 137	23 169	18 202	53 236	8 270	14 302	3 329	57 373	11
22 16	40 51	47 71	11 105	31 138	30 170	23 203	50 237	16 271	11 303	2 330	57 374	57
23 17	31 52	55 72	24 107	39 134	37 171	25 205	43 238	25 272	25 305	1 331	7 375	52
25 18	25 53	52 73	24 106	55 150	55 172	33 204	42 239	32 273	31 304	0 331	7 377	38
24 19	11 55	30 75	24 107	46 151	41 173	31 207	7 250	55 275	31 304	18 332	5 376	13
26 19	44 54	31 74	33 109	4 152	48 175	52 208	13 251	52 274	58 306	16 333	3 377	6
27 20	57 56	27 76	37 110	18 158	5 177	52 209	19 282	16 276	40 307	48 334	23 374	
28 21	11 51	23 77	52 111	22 157	11 176	21 210	27 255	53 277	16 308	11 337		375
29 22	23 58	14 78	81 112	31 156	11 178	16 211	31 284	12	23 309	58 336		374
30 23	11 59	41 79	42 113	39 157	23 180	0 212	31 286	21 280	310	330		360

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0	0 0	22 11	48 49	79 22	113 13	149 0	180 0	212 11	246 42	280 38	311 11	337 3
1	0 44	23 49	49 36	80 28	114 22	148 16	181 7	213 41	245 41	281 43	312 7	338 41
2	1 29	24 37	50 49	81 38	115 13	149 22	182 14	214 48	249 42	282 48	313 3	338 39
3	2 14	25 22	51 46	82 46	116 39	150 29	183 41	216 11	250 13	283 43	313 42	339 26
4	3 55	26 10	52 31	83 46	117 48	151 37	184 20	217 15	251 22	284 58	314 53	340 44
5	4 44	26 55	53 37	84 52	118 46	152 41	185 20	218 22	252 13	286 2	315 43	341 1
6	5 29	27 48	54 33	84 45	120 5	153 48	186 31	219 32	253 40	287 6	316 45	341 48
7	5 44	28 37	55 31	87 5	121 13	154 49	187 36	220 40	254 40	288 14	317 10	342 37
8	6 55	29 27	56 30	88 12	122 21	156 0	188 49	221 41	255 51	289 14	318 30	343 21
9	7 48	30 17	57 29	89 19	123 29	157 6	189 46	222 55	257 6	290 17	319 26	344 8
10	8 30	31 7	58 28	90 26	124 21	158 12	190 52	224 32	258 42	291 20	320 11	344 44
11	[illegible] 55	31 57	59 28	91 33	125 46	159 18	191 51	227 14	259 22	292 22	321 10	345 45
12	9 0	32 48	60 28	92 41	126 59	160 32	193 2	226 14	260 31	293 28	322 3	346 26
13	9 46	33 29	61 29	93 49	128 3	161 30	194 8	227 24	261 55	294 26	322 55	347 12
14	10 31	34 30	62 30	94 51	129 11	162 36	195 13	228 33	263 41	295 28	323 41	347 58
15	11 11	37 21	63 31	96 5	130 19	163 41	196 17	229 41	263 34	296 29	324 39	348 43
16	12 2	36 13	64 32	97 13	131 21	164 47	197 24	230 49	264 53	297 30	325 30	349 29
17	12 48	37 1	65 38	98 21	132 31	165 52	198 30	231 51	266 11	298 31	327 21	350 14
18	13 34	37 41	66 30	99 29	133 42	166 48	199 36	232 6	267 15	299 32	326 12	351 0
19	14 20	38 41	67 30	100 31	134 51	168 32	200 42	232 48	268 21	300 32	325 3	351 49
20	15 6	39 43	68 4	101 46	135 51	169 8	201 48	237 23	269 33	301 32	328 53	352 30
21	15 52	40 30	69 43	102 47	137 51	170 4	202 57	236 31	270 43	302 31	329 43	353 16
22	16 39	41 36	70 46	104 31	138 13	171 19	204 2	237 37	271 48	303 30	330 33	354 1
23	17 27	42 28	71 40	107 11	139 20	172 20	209 6	238 45	274 51	304 29	331 23	354 46
24	18 12	43 18	72 48	105 20	140 28	173 29	206 12	239 51	274 2	307 27	332 13	355 31
25	18 59	44 15	73 48	106 21	141 31	174 38	[illegible]	240 19	274 42	306 27	333 3	356 15
26	19 46	45 7	74 2	108 38	142 46	175 41	[illegible]	242 27	276 42	307 23	333 55	357 1
27	20 3	46 2	76 1	109 41	143 4	176 42	209 31	243 23	277 20	308 24	334 38	357 46
28	21 21	46 59	77 13	110 56	144 10	177 10	210 36	244 22	278 26	309 15	335 2	358 31
29	22 9	47 13	78 11	112 5	146 3	178 5	211 4	245 35	279 32	310 13	336 51	359 16
30	22 21	48 49	79 22	113 13	149 4	180 0	212 11	246 42	280 38	311 11	337 3	360 0

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0	0 0	22 42	48 22	78 40	112 50	146 48	180 0	213 6	247 42	281 10	311 38	337 45
1	0 44	23 30	49 18	79 50	113 41	148 1	181 7	214 13	248 23	282 41	312 38	338 5
2	1 28	24 18	50 41	81 2	117 4	149 8	182 11	217 20	249 12	283 20	313 29	338 42
3	2 13	24 6	51 12	82 8	116 13	150 41	183 16	216 21	250 41	284 20	314 24	339 39
4	2 51	24 48	52 9	83 14	117 22	151 22	184 22	217 28	251 50	285 30	315 19	340 26
5	3 44	26 44	53 1	84 20	118 30	152 29	185 23	218 44	252 49	286 38	316 13	341 13
6	4 28	27 31	54 7	85 21	119 40	153 36	186 33	219 40	254 8	287 38	317 7	342 0
7	5 11	28 20	55 3	86 38	120 49	154 4	187 39	220 48	255 11	288 42	318 1	342 46
8	5 55	29 9	56 1	87 41	121 51	155 4	188 44	222 6	256 20	289 42	318 54	343 32
9	6 40	29 58	57 0	88 48	123 0	156 5	189 41	223 48	257 5	290 48	319 41	344 18
10	7 24	30 48	57 59	89 59	124 48	158 2	190 51	224 22	258 4	291 41	320 40	345 [illegible]
11	8 9	31 38	58 49	91 2	125 23	159 9	192 3	227 30	259 42	292 43	321 32	345 40
12	8 53	32 28	59 59	92 10	126 33	160 41	193 4	226 38	261 1	293 53	322 2	346 37
13	9 39	33 18	60 54	93 18	127 41	161 21	194 55	227 30	262 5	294 17	323 16	347 21
14	10 28	34 9	61 52	94 2	128 54	162 21	195 21	228 41	263 18	297 45	324 8	348 6
15	11 9	37 0	63 4	95 34	129 45	163 33	196 27	230 2	264 26	297 [illegible]	325 0	348 51
16	11 48	37 52	64 1	96 42	131 0	164 39	197 33	231 10	267 32	298 [illegible]	327 11	349 36
17	12 39	38 44	67 33	97 51	132 [illegible]	165 4	198 30	232 19	266 42	299 [illegible]	326 42	350 20
18	13 29	39 38	68 7	98 49	133 20	166 41	199 44	232 42	267 42	300 [illegible]	327 32	351 0
19	14 10	38 25	61 1	100 8	134 30	167 49	200 41	234 11	268 31	301 43	328 22	351 11
20	14 16	39 20	65 9	101 11	137 38	169 3	201 [illegible]	237 [illegible]	269 [illegible]	302 [illegible]	329 12	352 37
21	15 44	40 13	69 12	102 27	130 [illegible]	160 [illegible]	203 [illegible]	236 [illegible]	271 12	303 [illegible]	330 [illegible]	353 20
22	16 48	41 6	70 41	103 38	137 [illegible]	171 41	204 11	238 3	272 [illegible]	303 [illegible]	330 51	354 [illegible]
23	17 18	41 [illegible]	71 18	104 [illegible]	139 1	172 [illegible]	207 [illegible]	239 11	273 20	304 [illegible]	331 10	354 [illegible]
24	18 0	42 [illegible]	72 22	107 [illegible]	140 10	173 [illegible]	206 [illegible]	240 [illegible]	274 33	307 [illegible]	332 [illegible]	355 [illegible]
25	18 44	43 [illegible]	74 20	104 1	141 13	174 32	207 1	241 [illegible]	275 [illegible]	306 [illegible]	333 18	356 [illegible]
26	19 34	44 [illegible]	75 30	108 [illegible]	142 [illegible]	175 30	208 38	242 38	276 [illegible]	307 [illegible]	334 6	357 [illegible]
27	20 [illegible]	47 30	76 [illegible]	109 19	143 33	176 [illegible]	209 38	243 [illegible]	277 [illegible]	308 [illegible]	335 [illegible]	357 [illegible]
28	21 [illegible]	46 11	76 [illegible]	110 25	144 [illegible]	177 [illegible]	210 [illegible]	244 [illegible]	278 [illegible]	309 [illegible]	337 [illegible]	358 [illegible]
29	21 [illegible]	47 [illegible]	78 [illegible]	111 31	146 [illegible]	178 [illegible]	211 [illegible]	246 [illegible]	280 [illegible]	310 [illegible]	330 [illegible]	359 [illegible]
30	22 [illegible]	48 [illegible]	78 [illegible]	112 [illegible]	146 [illegible]	180 0	213 [illegible]	247 [illegible]	281 [illegible]	311 [illegible]	337 [illegible]	360 [illegible]

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0	0 0	22 21	47 58	78 18	112 18	146 39	180 0	213 2	247 [illegible]	281 42	312 6	337 33
1	0 43	23 14	48 50	79 28	113 28	147 41	181 0	214 36	249 [illegible]	282 42	313 1	338 20
2	1 27	24 11	49 41	80 30	114 31	148 [illegible]	182 12	215 36	250 1	283 42	314 46	339 6
3	2 11	25 [illegible]	50 [illegible]	81 30	115 41	149 2	183 15	216 21	251 1	284 [illegible]	315 40	339 53
4	2 55	26 30	51 41	82 [illegible]	116 36	150 11	184 32	217 45	252 12	286 2	316 [illegible]	340 39
5	3 39	26 28	52 38	83 [illegible]	118 7	152 11	184 33	219 0	253 28	287 [illegible]	316 3	341 24
6	4 23	27 13	53 36	84 47	119 11	153 28	186 32	220 8	254 32	288 10	317 32	342 11
7	5 7	28 2	54 38	86 2	120 28	154 31	187 4	221 16	254 4	289 13	318 27	342 57
8	5 51	28 41	55 32	87 9	121 33	155 38	188 4	222 28	256 5	290 1	319 18	343 43
9	6 35	29 40	56 30	88 16	122 42	156 4	189 5	223 32	257 4	291 19	320 11	344 29
10	7 20	30 27	57 29	89 28	123 7	157 4	190 2	224 2	258 4	292 22	321 3	345 15
11	8 4	31 1	58 29	90 32	124 1	158 [illegible]	192 8	225 8	260 22	293 2	321 47	346 [illegible]
12	8 48	32 9	59 29	91 40	126 10	160 7	193 12	226 4	261 13	294 20	322 4	346 44
13	9 33	32 57	60 29	92 48	127 19	161 13	194 24	228 6	262 22	295 [illegible]	323 30	347 29
14	10 11	33 40	61 29	93 46	128 26	162 20	195 2	229 12	263 31	296 4	324 30	348 14
15	11 2	34 30	62 30	94 4	129 31	163 26	196 38	230 23	264 32	297 30	325 19	348 58
16	11 46	35 30	63 31	95 12	130 46	164 33	197 40	231 32	266 4	298 3	326 11	349 43
17	12 31	36 22	64 33	97 21	131 57	165 39	198 4	232 4	267 10	299 31	327 17	350 27
18	13 16	37 13	65 38	98 29	133 3	166 4	199 4	233 40	268 4	300 31	327 11	351 12
19	14 1	38 1	66 36	99 38	134 11	167 42	201 1	234 42	269 12	301 31	328 59	351 56
20	14 46	38 57	67 36	100 4	135 19	168 48	202 8	236 40	270 10	302 23	329 31	352 40
21	15 31	39 4	68 41	101 40	136 28	170 40	203 47	237 18	271 26	303 30	330 20	353 24
22	16 16	40 35	69 4	102 51	137 30	171 11	204 22	238 22	272 36	304 28	331 9	354 9
23	17 2	41 32	70 4	104 18	138 44	172 11	205 2	239 36	273 30	305 26	331 58	354 53
24	17 4	42 28	71 50	105 23	139 42	173 23	206 32	241 4	274 1	306 28	332 47	355 37
25	18 3	43 21	72 4	106 32	141 0	174 24	207 4	242 1	275 4	307 22	333 36	356 21
26	19 21	44 4	73 4	107 42	142 8	176 26	208 4	243 2	276 3	308 19	334 25	357 5
27	20 1	45 10	74 30	108 4	143 40	176 42	209 48	244 13	278 12	309 16	335 11	357 49
28	20 4	46 4	75 8	109 4	144 28	177 42	211 12	246 23	279 18	310 13	336 4	358 33
29	21 40	46 5	77 13	111 8	145 32	178 42	212 13	247 3	280 28	311 10	336 4	359 17
30	22 21	47 58	78 18	112 18	146 39	180 10	213 21	247 4	281 30	312 6	337 33	360 0

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0	0 0	22 12	47 28	77 5	111 42	146 28	180 0	213 36	248 8	282 4	312 33	337 48
1	0 43	22 49	48 28	78 41	113 2	147 32	181 6	214 44	249 18	283 32	313 31	338 38
2	1 26	23 46	49 20	79 41	114 12	148 40	182 13	215 12	250 28	284 20	314 22	339 20
3	2 10	24 33	50 16	81 3	117 21	149 4	183 19	216 0	251 38	285 30	317 16	340 6
4	2 53	24 20	51 12	82 9	116 31	150 46	184 20	211 8	252 48	286 3	316 10	340 52
5	3 37	26 1	52 9	83 16	117 40	152 4	184 33	218 11	253 40	287 3	317 4	341 38
6	4 20	26 45	53 6	84 23	118 40	153 12	186 3	219 27	254 7	288 4	317 5	342 24
7	5 4	27 4	54 4	87 30	119 4	154 20	187 46	220 32	256 16	289 4	318 40	343 9
8	5 48	28 31	55 2	86 34	121 40	155 21	188 43	221 4	257 20	290 48	319 4	343 54
9	6 31	29 20	56 0	87 44	122 14	156 37	190 0	223 40	258 32	291 41	320 3	344 39
10	7 14	30 9	56 59	88 52	123 3	157 44	191 1	224 1	259 4	292 20	321 2	345 24
11	7 58	30 57	57 50	90 0	125 3	158 40	192 4	226 9	260 12	293 16	322 1	346 9
12	8 42	31 4	58 49	91 8	127 21	159 41	193 12	227 18	262 1	294 18	323 1	346 54
13	9 26	32 37	59 48	92 16	126 40	161 4	194 28	228 21	263 10	296 0	324 1	347 38
14	10 10	33 21	60 4	93 28	128 0	162 11	197 3	229 30	264 19	297 1	325 3	348 22
15	10 53	34 11	61 7	94 32	129 41	163 18	196 4	230 4	265 28	298 2	326 4	349 6
16	11 38	35 8	62 5	95 4	130 28	164 27	197 4	231 7	266 36	299 2	326 33	349 50
17	12 22	36 17	62 0	96 40	131 33	165 32	198 40	233 4	267 4	300 2	327 2	350 38
18	13 6	37 4	64 2	97 7	132 4	166 3	200 3	234 13	268 13	301 2	328 13	351 18
19	13 51	38 2	65 8	99 8	133 11	167 4	201 1	235 2	269 10	302 2	329 2	352 2
20	14 36	38 33	66 0	100 11	134 4	168 4	202 18	236 30	271 1	303 1	329 11	352 46
21	15 21	39 24	67 9	101 26	136 8	170 0	203 2	237 4	272 1	303 4	330 8	353 29
22	16 6	40 11	69 1	102 3	137 11	171 7	204 33	238 4	273 2	304 4	331 24	354 13
23	16 51	41 10	70 4	103 44	138 26	172 4	205 4	240 1	274 3	305 4	332 11	354 56
24	17 36	42 3	71 18	104 33	139 3	173 2	206 4	241 10	275 3	306 18	333 7	355 40
25	18 22	42 40	72 22	106 3	140 8	174 21	207 4	242 2	276 4	307 41	333 5	356 23
26	19 8	43 40	73 26	107 12	141 7	175 38	209 4	243 2	277 11	308 4	334 4	357 7
27	19 54	44 4	74 30	108 22	143 0	176 4	210 12	244 3	278 4	309 4	335 2	357 51
28	20 40	45 3	75 37	109 32	144 8	177 8	211 20	245 4	280 1	310 4	336 16	358 35
29	21 26	46 3	76 40	110 42	145 16	178 4	212 2	246 18	281 [illegible]	311 3	337 3	359 19
30	22 12	47 28	77 5	111 42	146 28	180 0	213 30	248 8	282 2	312 4	337 [illegible]	360 0

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0	0	0 21	51 41	0 77	12 111	28 146	0 180	0 213	41 248	36 282	48 313	0 338	3
1	0	42 22	43 41	44 78	18 112	38 147	13 181	7 214	44 249	46 283	43 313	44 338	49
2	1	37 23	29 48	41 79	25 113	44 148	26 182	4 216	8 250	16 284	45 314	40 339	37
3	2	8 24	16 49	41 80	30 114	48 149	37 183	2 217	16 252	6 286	3 317	48 340	21
4	2	51 25	3 50	43 81	36 116	4 150	43 184	29 218	29 253	15 287	7 310	38 341	6
5	3	38 25	51 51	40 82	53 117	13 151	51 185	36 219	32 254	26 288	11 317	31 341	51
6	4	11 26	32 52	31 83	50 118	23 153	0 186	4 220	8 255	36 289	43 318	23 342	36
7	5	0 27	27 53	38 84	57 119	33 154	8 187	40 221	12 256	4 290	18 319	41 343	21
8	5	43 28	13 54	32 86	4 120	31 155	16 188	75 223	2 257	57 291	21 320	7 344	6
9	6	26 29	1 55	30 87	11 121	43 156	24 190	7 224	11 259	7 292	42 320	59 344	50
10	7	9 29	4 56	28 88	19 123	3 157	32 191	13 225	21 260	42 293	21 321	41 345	34
11	7	52 30	34 57	21 89	21 124	13 158	30 192	20 226	31 261	24 294	29 322	4 346	18
12	8	37 31	26 58	26 90	34 127	23 159	48 193	21 227	39 262	33 297	31 323	34 347	2
13	9	19 32	45 59	[illegible] 91	43 126	33 160	47 194	37 228	44 263	42 296	32 324	27 347	46
14	10	2 33	4 60	[illegible] 92	51 127	43 162	3 197	42 229	58 265	51 297	33 327	16 348	30
15	10	46 33	58 61	[illegible] 94	0 128	52 163	10 196	40 231	8 266	4 298	38 326	0 349	14
16	11	30 34	41 62	26 95	9 130	2 164	18 197	41 232	11 267	9 299	38 326	46 349	58
17	12	14 35	31 63	28 96	18 131	11 165	27 194	7 233	37 268	11 300	38 327	43 350	41
18	12	58 36	26 64	29 97	21 132	21 166	33 200	12 234	31 269	24 301	18 328	38 351	24
19	13	42 37	11 65	31 98	37 133	30 167	40 201	29 235	57 270	33 302	33 329	23 352	8
20	14	26 38	9 66	33 99	43 134	39 168	47 202	28 236	47 271	43 303	32 330	11 352	51
21	15	10 39	1 67	36 100	51 136	49 169	54 203	36 238	7 272	49 304	30 330	49 353	34
22	15	54 39	53 68	39 102	7 136	58 171	2 204	40 239	11 273	16 305	28 331	47 354	11
23	16	39 40	47 69	42 103	14 138	8 172	10 205	42 240	21 274	3 306	26 332	31 355	0
24	17	24 41	31 70	47 104	20 139	17 173	17 206	0 281	17 276	10 307	23 333	23 355	43
25	18	9 42	29 71	49 105	38 140	26 174	25 208	42 242	47 277	11 308	20 334	10 356	26
26	18	54 43	22 72	43 106	49 141	34 175	32 209	11 283	43 278	28 309	11 335	27 357	9
27	19	39 44	16 73	41 107	48 142	43 176	37 210	27 284	6 279	30 310	13 337	48 357	52
28	20	24 45	10 74	2 109	4 143	52 177	48 211	38 245	16 280	36 311	4 336	31 358	35
29	21	11 46	16	1 110	4 144	59 178	42 212	42 247	26 281	42 312	9 337	11 359	15
30	21	41 41	0 77	12 111	28 146	0 180	0 213	41 248	36 281	48 313	0 338	3 360	0

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0	0	0 21	41 46	31 76	38 110	47 184	13 180	0 214	7 249	7 283	23 313	21 338	49
1	0	42 22	27 47	36 77	44 112	0 184	2 181	7 214	16 250	16 284	37 314	23 339	4
2	1	24 23	13 48	21 75	40 113	16 188	11 182	11 217	27 241	26 285	32 317	11 339	49
3	2	6 23	49 49	11 79	46 114	21 169	10 183	23 216	38 242	31 286	37 316	11 340	34
4	2	48 24	45 70	13 81	2 117	37 170	29 184	31 217	43 243	43 287	41 317	4 341	19
5	3	31 27	31 71	9 82	9 116	41 171	38 187	39 219	41 244	11 288	49 317	11 342	4
6	4	13 26	18 72	6 83	16 117	48 172	47 186	4 221	2 246	1 289	49 318	49 342	49
7	5	56 27	7 73	3 84	23 119	8 173	56 187	48 222	12 247	11 290	12 319	41 343	33
8	5	38 27	43 74	0 87	31 120	18 174	4 189	2 223	21 248	27 291	45 320	33 344	18
9	6	21 28	41 75	48 86	38 121	28 176	13 190	10 224	31 249	37 292	48 321	27 344	1
10	7	4 29	29 77	46 87	46 122	38 177	27 191	18 227	41 260	46 294	0 322	16 347	47
11	7	46 29	11 76	47 88	40 123	49 178	30 192	28 226	40 261	16 297	2 323	1 346	29
12	8	29 31	57 71	48 90	2 124	59 179	38 193	38 228	0 263	7 296	3 323	48 347	12
13	9	12 31	49 78	58 91	11 126	10 160	48 194	42 229	10 264	42 297	4 324	48 347	56
14	9	57 32	43 79	58 92	19 127	20 161	58 197	11 230	20 264	23 298	4 327	38 348	39
15	10	38 33	32 60	54 93	28 128	30 163	2 196	48 231	30 266	32 299	6 326	24 349	22
16	11	21 34	22 61	57 94	37 129	40 164	10 198	6 232	40 267	49 300	6 327	11 350	7
17	12	4 37	12 62	46 97	46 130	50 164	18 199	14 233	50 268	53 301	6 328	6 350	48
18	12	48 36	2 63	41 96	55 132	0 166	26 200	22 234	1 269	48 302	6 328	43 351	31
19	13	31 36	53 64	48 98	4 133	14 167	38 201	30 236	11 271	6 303	7 329	43 352	14
20	14	13 37	44 66	0 99	14 134	19 168	42 202	30 237	22 272	14 304	43 330	31 352	56
21	14	58 38	37 67	2 100	23 137	29 169	45 203	42 238	32 273	22 307	2 331	19 353	39
22	15	42 39	27 68	7 101	33 136	39 170	48 204	40 239	42 274	29 306	0 332	1 354	22
23	16	21 40	19 69	8 102	43 137	49 172	6 205	4 280	42 277	31 306	47 332	47 355	4
24	17	11 41	11 70	11 103	53 138	58 173	4 207	13 282	2 276	48 307	48 333	42 355	41
25	17	46 42	3 71	11 104	3 140	7 174	21 208	22	13 277	11 308	41 334	27 356	29
26	18	41 43	56 72	19 106	13 141	11 177	29 209	31	23 278	48 309	41 337	16 357	12
27	19	26 43	49 73	33 107	23 142	26 176	37 210	40	33 280	0 310	43 336	1 357	56
28	20	11 44	43 74	28 108	33 143	37 177	4 211	49	4 281	10 311	39 336	42 358	38
29	20	[illegible] 45	37 75	33 109	44 144	44 178	13 212	58 287	40 282	16 312	38 337	31 359	18
30	21	46	11 76	38 110	47 184	53 180	0 213	1 284	7 283	22 313	29 338	19 360	0

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	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
0	0	0 21	24 46	2 76	3 110	26 144	31 180	0 214	23 249	34 283	11 313	18 338 37
1	0	41 22	14 46	51 77	9 111	31 146	41 181	8 217	32 250	47 287	23 314	42 339 20
2	1	23 22	55 47	12 78	41 112	44 147	51 182	10 216	42 251	46 286	51 317	43 340 4
3	2	5 23	41 48	45 79	21 113	58 149	6 183	22 217	51 253	6 287	12 316	19 340 49
4	2	47 24	21 49	43 80	21 114	9 150	16 184	32 219	1 254	12 288	16 317	32 341 23
5	3	29 24	13 50	39 81	38 116	19 151	24 187	41 220	11 255	21 289	42 318	24 342 11
6	4	11 26	0 51	37 82	41 117	30 152	34 186	49 221	21 256	38 290	42 319	11 343 1
7	4	53 26	41 52	32 83	49 118	41 153	43 187	57 222	31 257	48 291	20 320	9 343 51
8	5	37 27	38 53	29 84	56 119	51 154	52 189	6 223	41 258	58 292	9 321	5 344 29
9	6	11 28	21 54	26 86	4 121	2 156	1 190	14 224	51 260	8 293	32 321	11 345 17
10	6	55 29	8 55	24 87	12 122	12 157	10 191	23 226	2 261	18 294	22 322	44 346 6
11	7	41 29	55 56	22 88	20 123	23 158	19 192	31 227	12 262	28 295	10 323	33 346 54
12	8	23 30	43 57	21 89	28 124	36 159	28 193	40 228	22 263	38 296	38 324	23 347 42
13	9	7 31	31 58	20 90	31 125	47 160	31 194	48 229	33 265	48 297	3 325	11 348 31
14	9	51 32	19 59	20 91	47 126	56 161	46 195	57 230	43 266	58 298	42 326	33 348 18
15	10	30 33	8 60	20 92	58 128	6 162	58 197	6 231	54 267	6 299	43 326	57 349 5
16	11	12 33	51 61	20 94	3 129	11 164	7 198	14 233	4 268	21 300	42 327	49 349 53
17	11	55 34	41 62	21 95	13 130	31 165	12 199	23 234	14 269	23 301	46 328	29 350 37
18	12	38 35	31 63	22 96	22 131	38 166	41 200	32 235	26 270	32 302	39 327	37 351 31
19	13	21 36	21 64	28 97	32 132	48 167	29 201	41 236	31 271	40 303	38 330	53 352 19
20	14	4 37	18 65	26 98	42 133	58 168	37 202	51 237	48 272	48 304	16 330	51 352 31
21	14	47 38	9 66	28 99	52 134	9 169	46 203	59 238	58 273	56 305	44 331	39 353 43
22	15	31 39	0 67	31 101	2 136	19 170	55 204	8 240	9 275	45 306	31 332	23 354 47
23	16	51 39	51 68	34 102	12 137	29 172	3 206	11 241	19 276	11 307	28 333	13 355
24	16	59 40	43 69	31 103	22 138	39 173	11 207	26 242	30 277	14 308	23 334	3 355
25	17	43 41	37 70	40 104	32 139	49 174	19 208	37 243	41 278	26 309	13 335	53 356
26	18	21 42	28 71	49 105	42 140	59 175	28 209	44 244	51 279	33 310	11 336	33 357 13
27	19	11 43	21 72	58 106	51 142	9 176	36 210	52 246	2 281	39 311	13 337	34 358
28	19	56 44	18 73	57 108	4 143	18 177	41 211	3 281	12 281	[illegible] 312	8 337	48 358 31
29	20	40 45	8 75	48 109	51 144	28 178	42 213	13 248	23 282	41 313	3 337	59 359 14
30	21	24 46	2 76	3 110	26 144	31 180	0 214	23 249	34 283	31 313	48 338	360

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	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
0	0	0 20	36 44	31 74	14 108	57 144	48 180	0 214	12 251	5 284	46 314	29 339 48
1	0	40 21	20 45	29 75	19 110	6 145	55 181	10 216	23 252	11 285	41 316	22 340 7
2	1	20 22	4 46	17 76	27 111	18 147	10 182	20 217	34 253	29 287	31 317	4 340 50
3	2	0 22	28 47	13 77	31 112	30 148	21 183	30 218	45 254	41 289	1 318	6 341 11
4	2	40 23	32 48	7 78	38 113	42 149	32 184	40 219	56 255	32 290	51 318	43 342 33
5	3	20 24	16 49	2 79	47 114	58 150	43 185	50 221	8 257	42 291	9 319	53 342 40
6	4	0 25	1 49	58 80	53 116	5 151	58 187	0 222	19 258	51 292	12 320	43 343 54
7	4	40 25	46 50	45 82	1 117	17 153	7 188	10 223	31 259	26 293	51 321	31 344 39
8	5	21 26	32 51	50 83	9 118	29 154	16 189	20 224	43 260	3 294	22 322	41 345 23
9	6	1 27	11 52	46 84	11 119	41 155	27 190	30 225	55 261	42 295	19 323	11 346 4
10	6	42 28	3 53	43 85	24 120	53 156	31 191	40 226	57 262	46 296	21 328	1 346 47
11	7	22 28	49 54	40 86	34 122	5 157	48 192	50 228	18 264	52 297	22 324	10 347 29
12	8	3 29	36 55	38 87	43 123	11 158	58 194	0 229	30 265	54 298	23 325	39 348 11
13	8	43 30	22 56	37 88	52 124	30 160	5 195	10 230	42 266	50 299	24 326	7 348 52
14	9	28 31	5 57	36 90	1 125	42 161	19 196	20 231	54 267	40 300	24 327	16 349 33
15	10	7 31	26 58	36 91	10 126	58 162	29 197	31 233	6 268	10 301	24 328	43 350
16	10	46 32	44 59	36 92	20 128	6 163	40 198	41 234	18 269	53 302	24 328	11 351 17
17	11	27 33	33 60	36 93	30 129	18 164	50 199	51 235	30 271	8 303	23 329	38 351 36
18	12	8 34	21 61	37 94	40 130	30 166	0 201	22 236	42 272	13 304	22 330	4 352 21
19	12	49 35	9 62	38 95	50 131	42 167	9 202	12 237	53 273	20 305	20 331	11 353 1
20	13	31 36	59 63	39 97	1 132	53 168	20 203	23 239	7 275	0 306	17 331	17 353 38
21	14	13 37	45 64	41 98	12 134	5 170	31 204	33 240	19 276	43 307	14 332	43 354 17
22	14	55 38	32 65	43 99	23 135	17 171	42 205	42 241	31 277	11 308	10 333	25 354 55
23	15	37 38	29 66	45 100	35 136	29 172	50 206	52 242	43 278	19 309	6 334	34 355 30
24	16	19 39	19 67	48 101	47 137	41 173	1 208	6 243	55 279	1 310	2 334	5 356 2
25	17	1 40	10 68	51 102	59 138	53 174	12 209	11 244	6 280	41 310	58 335	34 356 40
26	17	44 41	2 69	55 104	7 140	4 176	20 210	28 245	18 281	22 311	53 336	22 357 18
27	18	27 41	54 70	59 105	19 141	17 177	30 211	51 247	30 282	28 312	47 337	57 358
28	19	10 42	46 71	4 106	31 142	28 178	40 212	57 248	42 283	33 313	41 337	348
29	19	53 43	38 73	9 107	43 143	37 179	50 213	1 249	57 285	314	338	37 359
30	20	36 44	31 74	14 108	57 144	48 180	0 214	12 251	287	314	339	360

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0	0 0	20 18	43 59	73 36	108 23	144 30	180 0	217 30	241 31	286 24	316 1	339 42
1	0 39	21 1	44 57	74 54	109 37	145 54	181 10	216 41	242 50	287 29	316 54	340 55
2	1 18	21 44	44 54	75 48	110 41	146 57	182 21	217 43	242 22	288 32	317 36	341 8
3	1 58	22 21	46 39	76 54	111 59	148 5	183 31	219 57	247 54	289 39	318 38	341 50
4	2 31	23 11	47 33	78 0	112 11	149 11	184 40	220 11	246 26	290 43	319 29	342 32
5	3 11	23 55	48 28	79 1	114 25	150 28	184 43	221 24	247 38	291 41	320 20	343 14
6	3 50	24 40	49 23	80 51	114 36	151 40	187 3	222 41	248 50	292 50	321 10	343 56
7	4 36	25 27	50 19	81 23	116 48	152 41	188 14	223 53	249 1	293 53	322 5	344 38
8	5 16	26 10	51 41	82 31	118 1	154 34	189 24	224 51	251 14	294 53	322 50	345 19
9	5 56	26 55	52 11	83 39	119 13	155 14	190 37	226 14	252 23	294 41	323 39	346 0
10	6 30	27 47	53 8	84 41	120 26	156 27	191 46	227 30	253 32	296 49	324 28	346 41
11	7 10	28 25	54 7	85 56	121 39	157 4	192 46	228 42	254 44	298 6	324 11	347 33
12	7 46	29 14	57 3	87 5	122 11	158 41	194 1	229 48	264 16	299 1	326 6	348 3
13	8 36	29 48	58 16	88 54	124 3	159 58	197 18	231 6	267 1	300 1	326 57	348 53
14	9 16	30 40	59 0	89 23	127 10	161 9	196 29	232 18	268 13	301 1	327 54	349 29
15	9 56	31 57	59 59	90 33	126 29	162 10	197 54	233 31	269 21	302 1	328 29	350 4
16	10 36	32 18	58 18	91 53	121 52	163 31	198 51	234 44	270 31	303 0	329 16	350 59
17	11 11	33 16	59 59	92 43	128 48	164 52	200 2	237 57	271 46	303 59	330 2	351 24
18	11 51	33 48	60 59	94 4	130 6	167 53	201 13	237 9	272 57	304 51	330 48	352 4
19	12 38	34 49	62 0	97 51	131 18	167 4	202 28	238 22	274 4	305 51	331 38	352 44
20	13 19	37 32	63 1	96 24	132 30	168 14	203 37	239 32	275 13	306 5	332 20	353 24
21	14 0	30 21	64 3	97 31	133 53	169 24	204 46	240 54	276 51	307 5	333 49	354 4
22	14 41	31 30	65 5	98 48	134 51	170 36	205 51	241 58	277 29	308 51	333 10	354 44
23	15 22	38 0	66 1	99 59	136 1	171 45	206 49	243 12	278 31	309 51	334 37	355 24
24	16 4	38 40	67 10	101 10	137 18	172 57	208 20	244 20	279 4	310 31	335 20	356 4
25	16 45	39 45	68 13	102 22	138 31	174 1	209 32	284 36	280 4	311 32	336 5	356 43
26	17 28	40 31	69 11	103 28	139 53	175 18	210 4	286 4	282 0	312 27	336 49	357 23
27	18 10	41 22	70 21	104 48	140 57	174 29	211 59	288 1	283 6	313 21	337 33	358 2
28	18 52	42 18	71 26	104 58	142 1	177 39	213 6	289 13	284 13	314 11	338 16	358 42
29	19 37	43 6	72 31	107 10	143 19	178 50	214 18	290 24	285 18	315 8	338 59	359 21
30	20 18	43 59	73 36	108 23	144 30	180 0	217 30	241 31	286 24	316 1	339 43	360 0

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0	0 0	20 1	53 26	72 51	107 50	144 13	180 0	215 51	244 0	287 3	34	339 59
1	0 38	20 53	54 19	74 3	109 2	145 26	181 11	216 49	173 23	288 8	316 26	340 40
2	1 11	21 26	54 12	77 9	110 51	146 38	182 22	218 11	174 37	289 13	38	341 23
3	1 56	22 9	56 6	76 51	111 21	147 10	183 33	219 26	277 48	290 18	9	342 1
4	2 34	22 42	57 0	77 21	112 40	149 2	184 44	220 36	271 0	291 22	320 0	342 41
5	3 14	23 37	54 48	78 28	113 53	150 14	187 16	221 49	178 12	292 26	320 41	343 28
6	3 53	24 19	58 49	79 36	114 7	151 26	187 1	223 1	179 24	293 29	42	344 9
7	4 32	27 3	59 44	80 44	116 18	152 38	188 18	224 14	160 36	294 33	30	344 50
8	5 11	27 41	70 41	81 53	117 31	153 40	189 29	227 21	161 41	297 38	19	345 31
9	5 40	26 32	71 36	83 0	118 44	154 2	190 41	226 40	262 49	298 36	328 8	346 12
10	6 30	27 11	72 32	84 9	119 51	156 13	191 42	227 43	264 0	297 31	328 41	346 53
11	7 9	28 24	73 24	87 18	121 10	157 29	193 3	229 5	267 21	298 38		347 33
12	7 48	28 45	74 26	86 21	122 23	158 31	194 4	230 18	266 34	299 39		348 13
13	8 28	29 33	77 24	87 31	123 31	159 48	197 26	231 31	267 43	300 39		348 21
14	9 1	30 15	76 23	88 46	124 50	161 0	196 31	232 44	268 49	301 39	328 8	349 33
15	9 41	31 57	77 22	89 56	126 3	162 11	197 49	233 57	270 4	302 38	328 55	350 13
16	10 21	31 52	78 21	91 6	127 16	163 23	199 0	237 10	271 14	303 31		340 41
17	11 7	32 39	79 21	92 11	128 29	164 34	200 12	236 23	272 23	304 36		341 13
18	11 41	33 21	60 21	93 28	129 42	167 46	201 23	237 31	273 33	307 38	331	342 18
19	12 21	34 41	61 22	94 39	130 44	166 51	202 37	238 40	274 42	306 31	331	343 23
20	13 1	37 3	62 23	97 40	132 11	168 8	204 4	280 1	275 41	307 28		343 28
21	13 48	37 42	63 28	97 1	133 20	169 21	204 48	281 10	277 0	308 24		344 13
22	14 29	36 41	64 26	98 13	134 33	170 31	206 10	282 29	278 8	309 20	338 13	344 5
23	15 10	37 30	67 28	99 48	137 8	171 42	207 22	283 42	279 10	310 16	334 5	345 28
24	15 51	38 19	66 31	100 36	136 49	172 43	208 32	284 47	280 28	311 11		346 27
25	16 32	39 9	67 32	101 8	138 11	174 4	209 8	286 1	281 32	312 6		347 8
26	17 13	40 10	68 38	103 0	139 29	174 16	210 48	287 18	282 39	313 0	337 11	347 49
27	17 57	40 11	69 42	104 42	140 30	176 21	212 10	288 33	283 41	313 48		348 32
28	18 41	41 42	70 41	104 27	141 41	177 18	213 22	289 48	284 48	314 41		349 13
29	19 21	42 38	71 42	106 31	143 1	178 42	214 28	290 48	287 41	317 41	339 11	349 22
30	20 1	43 0	72 51	107 50	144 13	180 0	217 41	272 10	287 3	316 38	339 59	360 0

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0	0 0	19 43	42 42	72 16	107 16	143 47	180 0	216 9	252 44	287 4	317 8	340 11
1	0 38	20 24	44 44	73 42	108 29	144 8	181 11	217 13	253 41	288 40	318 0	340 44
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3	1 58	22 45	46 30	77 38	110 55	147 33	183 37	219 44	256 23	291 55	319 42	342 22
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5	3 11	23 44	48 18	77 48	113 22	149 48	184 49	222 10	258 44	293 6	321 23	344 44
6	3 49	24 45	49 13	78 45	114 37	151 11	187 40	223 23	260 4	294 5	322 12	345 27
7	4 23	24 45	50 8	80 40	117 48	152 28	188 22	224 36	261 12	295 11	323 1	345 [illegible]
8	5 6	26 28	50 3	81 12	117 1	153 36	189 38	224 40	262 22	296 13	323 40	346 21
9	5 47	26 8	50 44	82 20	118 45	154 24	190 48	227 3	263 36	297 47	324 38	346 27
10	6 24	27 45	51 11	83 29	119 28	146 1	191 48	228 14	264 44	299 18	326 43	347 1
11	7 2	28 38	52 42	84 38	120 41	157 45	193 22	230 8	264 41	300 19	327 1	348 42
12	7 41	29 23	53 44	85 48	121 44	158 26	194 38	231 4	268 21	301 19	327 48	349 43
13	8 20	29 8	54 41	86 41	123 4	159 38	197 38	233 46	269 33	302 18	328 37	349 43
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15	9 38	31 34	56 43	89 11	124 31	162 2	197 48	235 42	271 17	304 41	330 1	341 1
16	10 11	32 24	57 42	90 28	126 11	163 45	199 10	236 3	272 17	306 41	330 42	341 40
17	10 46	32 12	58 41	91 34	128 4	164 26	200 22	236 11	273 33	307 13	330 42	341 44
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19	12 41	34 48	60 42	93 1	130 30	166 40	202 46	239 1	276 22	307 8	332 22	342 14
20	12 47	37 38	61 43	94 13	131 43	168 2	203 49	240 32	276 31	308 7	333 7	343 16
21	13 37	37 22	62 46	96 28	132 41	169 14	204 11	241 46	277 44	309 1	333 13	344 41
22	14 41	36 10	63 43	97 30	134 10	170 26	206 28	242 44	278 48	309 44	334 34	344 44
23	14 47	36 45	64 45	98 48	137 28	171 38	207 36	244 12	279 46	311 4	333 40	345 32
24	15 37	37 48	67 41	100 0	130 31	172 40	208 4	248 24	281 42	311 40	336 3	346 11
25	16 16	38 38	65 41	101 12	131 40	174 1	210 22	246 32	281 12	312 42	336 44	346 44
26	16 41	39 28	67 41	102 28	134 3	177 13	211 44	247 42	283 14	313 36	337 42	347 48
27	17 38	40 19	69 1	103 31	140 16	176 24	212 24	249 42	284 26	314 30	338 11	347 6
28	18 17	41 9	70 7	104 40	141 29	177 37	213 34	250 18	284 33	317 2	333 8	348 44
29	19 1	42 0	71 10	106 3	142 42	178 4	214 42	251 3	285 10	316 16	339 4	349 42
30	19 43	42 42	72 16	107 16	143 47	180 0	216 47	252 44	287 44	317 53	340 13	360 0

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0	0 0	19 28	42 18	71 34	106 42	143 36	180 0	216 24	253 18	288 24	317 42	340 46
1	0 37	20 7	43 10	72 4	107 44	144 40	181 12	217 31	254 32	289 31	318 33	341 11
2	1 11	20 46	44 2	73 41	109 9	146 3	182 28	218 11	257 4	290 30	319 28	341 48
3	1 42	21 28	44 47	74 13	110 22	147 11	183 31	220 4	256 48	291 4	320 18	342 49
4	2 30	22 10	44 48	75 0	111 36	148 30	184 49	221 18	258 11	292 44	321 43	342 41
5	3 8	22 42	46 42	77 1	112 40	149 43	186 2	222 32	259 28	293 41	321 72	343 49
6	3 45	23 37	47 36	78 41	114 3	150 47	187 14	223 49	260 31	294 40	322 43	344 49
7	4 22	24 18	48 30	79 23	117 11	152 10	188 26	224 49	262 10	295 42	323 32	345 19
8	5 12	24 1	49 29	80 31	116 3	153 23	189 34	226 13	263 3	296 46	324 20	345 49
9	5 40	24 44	50 20	81 44	117 44	154 36	190 41	227 21	264 42	297 11	324 8	346 38
10	6 18	26 29	51 16	82 49	118 48	155 49	192 4	228 44	264 26	298 18	324 16	347 7
11	6 46	27 13	52 12	83 48	120 12	157 2	193 16	229 47	266 38	299 43	326 43	347 46
12	7 34	27 41	53 9	84 8	121 26	158 11	194 29	231 9	267 41	300 43	327 30	348 37
13	8 12	28 41	54 1	86 18	122 41	159 28	197 41	232 23	269 3	301 41	328 11	349 44
14	8 40	29 26	57 7	87 28	123 44	160 41	196 49	233 31	270 11	302 46	329 3	349 13
15	9 24	30 11	56 8	88 38	124 4	161 43	198 1	234 11	271 22	303 41	329 44	340 11
16	10 1	30 41	57 3	89 44	126 23	163 6	199 14	236 4	272 32	304 43	330 34	341 10
17	10 48	31 43	57 2	91 0	127 21	164 19	200 32	237 20	273 42	307 41	331 17	341 48
18	11 24	32 30	59 2	92 11	128 44	164 31	201 42	238 38	274 12	306 48	332 3	342 26
19	12 8	33 11	60 2	93 22	130 4	166 48	202 18	239 48	276 2	306 48	332 41	343 38
20	12 42	33 48	61 3	94 30	131 14	167 46	204 11	241 2	277 11	307 40	333 31	343 42
21	13 22	34 42	62 4	94 46	132 33	169 4	207 13	242 16	278 10	308 37	334 43	344 42
22	14 1	37 40	63 0	96 48	133 41	170 4	206 31	243 30	279 29	309 30	334 14	344 18
23	14 41	37 28	64 8	98 10	137 1	171 38	207 40	244 48	281 3	310 24	334 41	344 30
24	14 21	37 11	67 11	99 23	136 41	172 42	209 3	247 44	281 41	311 18	336 21	346 12
25	16 1	38 6	66 13	100 36	137 28	173 48	210 11	248 10	282 13	312 12	337 8	346 12
26	16 42	38 46	67 16	101 42	138 42	177 11	211 30	248 24	284 [illegible]	314 4	337 40	347 47
27	17 21	39 48	68 20	103 2	139 46	176 24	212 42	249 18	284 11	317 48	338 13	347 8
28	18 20	40 36	69 28	104 41	141 4	177 33	213 4	270 7	286 13	314 4	339 4	348 48
29	18 43	41 21	70 24	104 28	142 23	178 42	214 13	272 7	287 [illegible]	316 [illegible]	339 [illegible]	349 [illegible]
30	19 28	42 18	71 34	106 42	143 30	180 0	216 24	253 18	288 42	317 42	340 46	360 0

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0	0 0	19 5	41 42	70 42	106 6	143 11	180 0	216 4	253 42	289 8	318 18	340 47
1	0 31	19 45	42 38	71 45	107 2	144 31	181 13	217 51	255 8	290 13	319 9	341 34
2	1 18	20 21	43 26	72 4	108 38	145 4	182 26	219 11	256 22	291 18	320 0	342 41
3	1 41	21 8	44 18	73 11	109 28	146 59	183 34	220 24	257 36	292 22	320 40	342 47
4	2 28	21 4	45 14	74 18	111 2	148 13	184 42	221 38	248 45	293 30	321 39	343 37
5	3 7	22 30	44 8	77 29	112 16	149 21	186 5	222 4	260 2	294 29	322 28	344 41
6	3 42	23 12	46 48	76 33	113 30	150 9	187 18	228 8	261 41	297 32	323 16	344 40
7	4 19	23 28	47 42	77 41	114 44	151 47	188 31	227 3	262 28	296 38	324 4	347 33
8	4 56	28 31	48 41	[illegible]	117 59	143 19	184 44	226 37	263 45	297 36	324 12	345 4
9	5 33	29 20	49 42	80 48	117 13	172 23	190 42	227 42	268 33	298 38	323 39	346 41
10	6 11	26 30	70 31	82 1	118 28	177 36	192 11	224 1	268 42	299 39	324 26	347 30
11	6 48	26 46	11 33	83 16	119 42	146 40	193 28	230 42	267 11	300 39	327 13	348 9
12	7 26	21 30	72 30	84 26	120 41	178 3	198 39	231 38	268 29	301 39	328 0	348 41
13	8 3	28 41	73 21	87 36	122 11	179 11	197 40	232 40	269 42	302 39	328 4	349 29
14	8 41	28 48	74 24	86 46	123 26	160 30	197 3	232 4	270 42	303 33	329 32	370 3
15	9 19	29 43	77 23	87 41	124 41	161 43	198 14	237 19	272 33	304 31	330 11	370 49
16	9 41	30 28	76 22	89 8	127 76	162 41	199 30	236 38	273 42	307 17	331 2	371 19
17	10 37	31 14	77 21	90 19	131 14	168 10	200 43	237 49	274 28	306 31	331 46	371 47
18	11 13	32 0	78 21	91 31	128 27	169 25	201 41	239 3	277 42	308 30	332 30	372 42
19	12 11	32 41	79 21	92 43	129 39	166 36	203 14	280 13	276 42	308 21	333 14	373 12
20	13 30	33 38	60 21	93 47	130 43	167 49	204 42	281 32	277 13	309 23	333 10	373 49
21	13 9	34 21	61 22	94 1	132 8	169 13	209 31	282 42	279 23	310 18	334 4	374 21
22	14 48	37 8	62 28	[illegible]	133 23	170 16	206 41	244 1	280 11	311 13	337 2	377 0
23	14 21	37 26	63 26	[illegible]	134 31	171 29	208 4	247 16	281 19	312 8	330 4	377 41
24	14 6	36 44	64 28	[illegible]	137 42	172 13	209 19	286 30	282 21	313 2	336 44	376 13
25	15 48	37 32	67 31	99 45	137 6	173 47	210 33	284 48	283 37	313 40	337 30	376 41
26	16 27	38 2	66 38	101 11	138 24	174 8	211 44	288 78	288 43	314 4	338 11	377 32
27	17 5	39 10	67 38	[illegible]	139 37	176 21	213 1	290 12	287 49	317 42	338 42	378 9
28	18 49	40 0	68 33	[illegible]	140 49	177 38	214 41	271 26	286 46	316 3	339 33	378 45
29	[illegible]	40 27	69 41	104 74	143 1	178 42	217 42	272 4	288 23	317 26	340 18	379 23
30	19 5	41 42	70 42	106 6	183 11	180 0	216 4	273 42	289 8	318 18	340 47	360 0

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0	0 0	18 54	41 6	70 8	104 30	142 41	180 0	217 3	248 30	289 42	318 48	341 41
1	0 36	19 47	41 41	44	44	144 12	13	11	49	290 41	44	341 47
2	1 12	20 20	48	20	107 48	21	21	246 32	292 49	2	38	342 34
3	1 49	20 49	4	31	109 13	49	220 40	278 41	13	6	28	343 44
4	2 29	21 26	32	38	21	147 46	184 42	222 2	21	10	33	343 47
5	3 2	22 1	29	41	42	149 10	186 8	11	21	322 13	2	344 32
6	3 38	22 44	18	49	112 76	29	22	261 32	48	323 10	40	347 11
7	4 42	23 31	12	71	114 11	4	224 36	263 41	1	18	38	347 49
8	4 41	28 13	6	79	6	142 26	189 48	227 40	2	10	20	346 21
9	7 21	28 49	80 1	41	41	148	191 9	4	17	33	326 21	347 12
10	6 4	27 38	89 41	28	117 46	23	18	32	49	326 22	347 18	43
11	6 41	26 24	43	38	119 11	37	230 31	267 42	48	23	348 44	21
12	7 18	21 4	49	44	171 21	41	232 49	264 2	10	23	348 30	49
13	7 47	21 41	88 48	43	179 43	197 49	7	11	22	22	349 41	30
14	8 32	28 31	86 43	122 48	4	197 19	13	32	38	330 21	370 10	44
15	9 4	29 41	41	128 41	13	33	237 21	11	49	330 19	370 49	11
16	9 48	30 0	34	26	162 28	41	237 41	243 33	46	331 11	371 29	28
17	10 22	30 49	36	38	164 43	200 1	11	244 44	6	332 44	372 13	4
18	11 1	31 30	90 31	127 40	48	202 41	4	280 4	16	332 11	372 16	42
19	11 34	32 16	92 31	129 2	13	29	280 23	19	26	1	373 44	13
20	12 11	33 2	41	28	42	282 31	38	310 30	3	373 42	40
21	12 47	33 48	2	168 43	207 46	11	49	310 49	337 47	376 27	33
22	13 33	34 37	40	132 41	170 78	208 10	6	280 4	48	337 48	376 41	9
23	14 11	37 22	96 42	134 33	13	38	287 30	282 18	3	336 48	376 29	8
24	14 44	30 0	98 44	6	28	38	288 30	11	11	331 42	377 11	21
25	14 28	30 48	41	19	173 43	209 42	10	41	19	337 37	378 41	40
26	16 7	31 41	40	137 33	178 48	212 6	4	2	26	338 20	378 32	39
27	16 44	36	101 48	139 41	17	10	270 12	16	33	339 20	41	11
28	17 29	61 20	103 48	1	28	33	272 32	318 46	334 21	47	48
29	18 7	69 13	11	178 43	217 41	273 48	318 46	340 3	379 37	28
30	18 41	41	70	107 30	142 41	180 0	217 3	248 30	289 42	318 48	341 41	360

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0	0 0	18 24	40 28	69 23	104 52	142 37	180 0	217 23	255 8	290 37	319 32	341 36
1	0 37	19 4	41 19	29	106 1	143 43	14	38	23	42	22	342 14
2	1 11	19 44	42 10	37	22	144 8	28	219 43	38	41	322 1	343 32
3	1 46	20 28	43 2	42	31	24	43	221 9	258 12	45	322 49	344 10
4	2 12	21 32	43 58	49	109 52	39	188 51	24	260 6	55	322 49	344 10
5	2 45	21 44	46	74 47	111 1	148 58	186 52	4	20	295 18	31	344 48
6	3 34	22 29	39	76 4	22	150 4	26	224 44	38	297 1	28	345 26
7	4 10	23 6	32	12	31	24	40	226 11	263 48	3	327 11	346 4
8	4 46	23 41	26	11	114 52	38	189 55	21	264 1	5	324 48	346 42
9	5 20	24 29	20	34	116 1	153 48	191 9	43	14	6	44	347 10
10	5 48	25 11	41	39	22	154 9	28	229 49	27	7	30	347 57
11	6 38	29 53	14	59	31	38	38	231 14	40	7	16	348 34
12	7 10	26 36	6	82 59	119 53	39	198 53	30	269 52	6	329 2	349 11
13	7 44	27 19	3	84 10	121 6	158 58	196 1	233 59	271 4	5	329 44	349 55
14	8 22	28 25	43	10	21	28 160	9	22 237	1	16	4 330 31	350 29
15	8 50	28 54	53	58	32	39	23	21	11	28	2 331 11	351 1
16	9 39	29 29	56	44	124 57	38	199 51	33	39	307 0	331 48	351 35
17	10 12	30 13	57	88 56	126 11	163 53	201 6	238 49	275 11	307 51	4	352 4
18	10 49	30 48	58	90 8	127 21	164 7	21	240 5	277 1	58	28	352 50
19	11 26	31 44	53	20	128 43	22	36	21	11	50	334 7	353 26
20	12 3	32 30	53	33	130 59	36	204 51	36	21	49	334 49	354 2
21	12 40	33 16	54	46	51	168 51	206 6	243 52	30	4	335 31	354 38
22	13 18	34 2	55	94 59	30	170 5	21	245 7	39	38	336 13	355 19
23	13 56	34 49	51	96 12	133 46	20	36	23	48	28	336 56	355 50
24	14 34	35 36	98 59	26	134 1	38	209 51	38	283 56	21	337 37	356 26
25	15 12	36 23	100 7	0	11	173 48	211 6	248 43	284 4	14	338 16	357 2
26	15 50	37 11	5	99 59	33	175 3	21	250 8	11	316 6	338 56	357 40
27	16 28	37 59	9	101 8	138 49	11	36	23	18	316 48	339 36	358 14
28	17 7	38 48	13	22	140 5	32	214 52	38	29	50	340 16	358 49
29	17 45	39 38	18	37	20	178 4	216 1	253 33	31	43	340 56	359 25
30	18 24	40 28	69 23	104 52	142 37	180 0	217 23	255 8	290 37	319 32	341 36	360 0

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0	0 0	18 4	39 49	68 36	104 13	142 10	180 0	217 50	255 47	291 24	320 11	341 56
1	0 37	18 43	39	41	105 28	32	41	0	257 12	29	321 1	342 38
2	1 10	19 22	30	49	106 44	144 44	30	16	11	34	321 40	343 12
3	1 49	20 1	41 21	48	107 59	146 4	183 49	32	32	38	38	343 50
4	2 20	20 40	43 12	1	109 41	10	184 0	222 48	260 41	42	26	344 28
5	2 47	21 20	44 8	9	110 31	36	41	224 4	262 2	49	13	345 0
6	3 30	22 0	44 56	11	111 46	149 52	30	20	16	48	324 0	346 44
7	4 5	22 41	49	29	113 2	151 8	188 49	36	4	50	324 43	346 24
8	4 40	23 22	43	34	28	23	190 0	227 55	43	52	33	347 48
9	5 41	24 3	37	43	34	35	41	229 9	266 41	53	14	348 37
10	5 51	24 44	32	79 43	116 50	148 44	31	26	268 10	43	328 4	348 14
11	6 26	24 26	24	81 3	118 6	156 10	193 46	42	23	43	328 49	349 48
12	7 1	26 8	23	13	22	22	197 1	232 48	36	52	38	350 24
13	7 31	26 50	19	28	34	41	11	234 41	271 48	41	19	350 0
14	8 12	27 32	16	37	121 45	159 41	21	237 32	273 1	49	331 2	351 36
15	8 44	28 44	13	41	123 12	161 12	198 40	236 58	11	41	331 46	351 12
16	9 24	28 51	11	86 59	128 28	28	200 3	238 5	27	44	332 29	352 48
17	10 0	29 41	9	88 12	127 49	43	19	21	36	41	333 10	352 23
18	10 36	30 26	8	28	121 2	162 49	34	38	41	31	333 42	353 59
19	11 12	31 11	1	31	18	166 14	203 41	241 48	278 5	33	334 30	354 4
20	11 48	31 56	1	91 30	31	167 29	207 6	243 10	280 7	21	335 16	355 9
21	12 24	32 41	1	93 3	130 51	168 49	21	20	11	23	335 53	355 49
22	13 2	33 21	8	11	132 1	170 0	31	44	26	11	38	356 20
23	13 39	34 13	10	30	28	41	248 12	286 48	37	11	19	356 51
24	14 10	34 0	12	44	40	30	210 8	288 14	43	4	338 0	357 30
25	14 47	34 41	41	91 48	134 56	173 41	28	249 29	41	317 56	338 4	357 47
26	15 22	36 38	14	99 13	137 12	149 0	40	290 4	286 4	314 44	339 20	358 4
27	16 10	31 22	20	28	28	41	213 46	292 1	288 6	39	339 40	358
28	16 44	38 10	26	43	139 44	30	217 12	16	290 13	30	340	359
29	17 23	38 49	31	102 45	181 0	178 41	28	32	291 19		341	
30	18 4	39 49	68 36	104 13	142 10	180 0	217 44	255 41	292	320	341	360 0

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0	0 0	17 [illegible]	39 9	67 41	103 33	141 57	180 0	218 7	256 21	292 13	320 51	342 17
1	0 38	18 27	39 48	43	104 49	143 12	41	21	43	18	40	342 57
2	1 8	18 49	44	69 49	106 41	144 30	31	38	258 48	22	28	32
3	1 42	19 38	39	71 0	21	147 24	183 5	221 55	260 44	26	16	344 10
4	2 16	20 11	30	13	31	147 2	187 30	223 12	29	30	324 4	344 47
5	2 51	20 57	22	21	109 13	19	19	224 29	44	241 33	324 51	34
6	3 27	21 34	14	29	111 9	37	34	227 46	263 49	248 36	31	346 1
7	3 59	22 4	7	38	27	170 42	188 51	227 3	264 13	38	23	346 37
8	4 32	22 48	86 0	41	42	172 8	190 7	21	21	39	321 5	347 13
9	5 8	23 37	86 43	77 40	114 48	27	33	38	41	40	321 49	347 49
10	5 43	24 11	41	79 6	116 41	41	34	230 55	268 57	40	39	27
11	6 18	24 56	42	11	114 32	177 58	193 46	232 12	270 8	39	23	349 1
12	6 53	29 38	38	28	118 49	171 41	147 0	233 29	21	38	330 7	349 30
13	7 28	26 19	34	39	120 6	178 30	26	234 45	34	31	330 50	370 12
14	8 3	27 4	30	83 49	23	179 46	42	236 3	41	37	331 38	340 41
15	8 38	27 43	27	84 1	40	161 2	198 48	20	242 50	33	332 11	341 22
16	9 13	28 26	27	13	123 51	18	200 4	31	246 11	30	332 59	341 51
17	9 48	29 10	23	26	124 14	34	201 30	234 48	21	26	333 41	32
18	10 28	29 43	22	39	126 31	164 40	202 44	241 11	32	22	22	373 1
19	10 59	30 31	24	89 42	121 44	166 6	204 22	242 21	43	18	4	373 42
20	11 37	31 21	24	91	7	129 40	21	14	243 4	250 44	13	336 4
21	12 11	32 6	20	19	22	31	37	244 22	282 4	1	336 26	374 42
22	12 41	32 42	21	33	39	169 9	201 42	18	13	318 0	331 6	26
23	13 23	33 31	22	98 41	132 7	171 7	9	204 8	37	22	318 43	331 46
24	13 59	34 23	28	96 1	134 18	24	27	248 41	31	46	338 30	376 37
25	14 36	34 9	21	16	137 31	4	42	290 1	34	38	339 9	377 9
26	15 13	34 56	30	31	136 44	174 7	212 48	23	41	30	339 46	377 44
27	15 50	44	32	99 46	138 4	170 13	214 41	34	288 48	2	340 22	18
28	16 28	32	38	101 2	22	29	31	243 37	290 1	12	341 1	378 52
29	17 5	20	42	11	37	178 4	216 42	244 11	1	320 2	341 49	20
30	17 43	39 9	61 7	41	103 33	144 7	180 0	218 7	276 2	292 13	320 41	342 11	360 0

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	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
0	0 0	17 21	38 21	66 41	102 41	141 33	180 0	218 21	257 9	293 3	321 33	342 39
1	0 33	17 48	39 16	68 3	104 7	142 41	16	214 44	29	8	322 22	343 16
2	1 6	18 36	40 6	9	24	144 8	33	221 2	41	12	323 14	343 53
3	1 40	19 13	40 46	16	40	149 26	183 49	19	260 41	16	323 42	29
4	2 13	19 41	46	21	107 71	146 49	184 6	31	262 13	20	44	344 6
5	2 43	20 29	31	31	109 14	148 0	23	224 41	29	23	31	344 42
6	3 20	21 8	28	39	31	18	39	226 12	44	26	37	346 18
7	3 48	21 44	20	41	111 48	57	188 56	30	264 58	28	327 0	346 54
8	4 28	22 27	13	77	76	113 9	171 52	190 12	228 48	267 13	29	327 49
9	5 2	23 6	7	77	6	22	173 9	24	230 6	21	30	30
10	5 36	23 46	81 1	16	40	26	192 46	38	41	30	329 14	348 40
11	6 10	24 26	81 46	21	116 47	177 43	194 2	232 42	270 57	39	329 58	349 11
12	6 44	24 7	71	38	118 41	171 0	19	234 0	272 8	35	42	349 50
13	7 18	24 48	41	81 40	32	41	36	237 14	21	26	24	24
14	7 52	26 29	43	83 1	120 40	38	197 47	236 31	34	24	332 5	341 0
15	8 26	21 10	39	13	122 8	160 40	199 10	237 42	41	17	332 50	341 38
16	9 1	27 42	38	26	27	162 7	26	239 6	276 49	13	328 12	342 32
17	9 37	28 34	34	30	128 43	28	201 43	28	278 10	9	338 44	343 16
18	10 10	29 18	32	87 42	126 0	41	203 0	281 44	22	33	312 4	343 40
19	10 47	30 2	31	89 7	18	164 48	41	283 3	3	44	312 59	336 14
20	11 55	30 46	30	19	36	161 24	38	20	285 48	43	336 45	344 48
21	11 31	31 30	30	33	124 48	31	206 41	38	282 48	4	41	33	347 32
22	12 6	32 41	31	92 42	131	12	164	8	208 8	226 55	288 4	13
23	13 42	33 0	32	94 2	30	171 4	24	288 12	13	40	334 0	12	346 6
24	13 18	33 49	34	16	133 48	21	210 42	29	21	32	338 12	346 40
25	14 52	34 30	31	31	137 7	31	212 0	290 46	29	23	31	347 13
26	14 31	34 16	40	97 41	23	174 42	11	272 3	37	14	340 9	347 41
27	15 3	36	3	44	99 3	41	176 11	34	20	44	319 4	340 41	348 20
28	16	36	40	48	138 42	24	247 42	36	71	319 40	44	348 42
29	16 15	37	18	13	37	180	16	178	44	214	9	247 13	291 17	4	342 2	349	27
30	17 12	38 3	66	11	102 41	141 33	180 0	218 7	257 9	293 3	321 33	342 39	360 0

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	♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓	
0	0	0	16	58	37	44	66	5	102	8	141	30	180	0	218	30	257	52	293	55	322	16	343	2
1	0	32	17	37		33		11		24		29		18	220	8	259	9	295	0	323	4	343	38
2	1	6	18	18		22		11		42	143	47		37		26		29		4	323	42	344	14
3	1	38	18	59		12		28	104	44	144	4	183	44	222	44		42		9		39	344	54
4	2	11	19	26	41	2		31	107	16		23	184	44	224	2	260	48		12		27	345	46
5	2	44	20	3	42	42		39		38		41		26		21	262	14		11	326	14	346	1
6	3	16	20	41		43		41	109	11	148	45	187	44		39		29		11	326	55	347	36
7	3	49	21	20		37	73	55	111	9	150	11	189	2	227	48		44		17		59	348	11
8	4	22	21	58		24	74	4		21		37		19	229	11	267	54		20		23	348	56
9	4	55	22	31		20		14	113	59	152	43		31		37	269	14		21	329	1	349	31
10	5	28	23	16		13		27	115	3	154	1	192	48	231	48		29		21	329	41		46
11	6	1	23	46		1		36		21		28	194	12	233	13		43		20	330	38	350	30
12	6	35	24	36		2		45		39	156	46		29		41	272	46		18	331	16	351	4
13	7	8	25	16		44	80	45	118	48	158	4	196	4	237	49	274	10		16	331	49	351	38
14	7	41	26	46		53	82	11	120	16		22	198	4	239	1		24		14		44	352	12
15	8	14	26	31		49		23		37		39		21		29		31		11		23	352	49
16	8	48	27	19		46		36	122	43	161	46		38	239	44	277	44		1	332	4	353	19
17	9	22	28	1		44	84	40	125	11	163	13	201	46	241	2	279	1	311	3	332	44	353	52
18	9	56	28	44		42	87	4		29		31	203	14		21		12	311	48		44	354	26
19	10	30	29	26		40		11	126	41	164	44		32		39		28		13	335	4	354	59
20	11	4	30	9		39		31	128	6	166	6	207	40	244	41		34		41	336	44	355	32
21	11	39	30	43		39	90	44		27		23	210	1	246	41		46		40		23	355	5
22	12	14	31	21		40	92	1	130	43		41		27		33	288	46		33	338	2	356	38
23	12	49	32	21		41		16	132	2	170	48	214	43	248	41	286	4		31	338	41	357	11
24	13	24	33	48		43		31		21	172	16	211	1	270	4		13		14	339	19	357	44
25	13	59	33	40		45	97	46		39		38		19	271	26		21	318	8	339	54	358	16
26	14	34	34	37		49	91	2	137	48	178	11		31	272	44		27	318	48		38	358	49
27	15	10	34	11		11		18	131	16	176	8	216	4	274	1		36		48	341	11	359	22
28	15	46	36	8	63	40		37		38		27	216			13		18		43		38	341	48	359	55
29	16	22	36	56	64	0	100	41	134	42	178	42		31		37		49		21		27		28
30	16	58	37	44	66	5	102	8	141	30	180	0	218	30	257	52	293	55	322	16	343	2	360	0

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0	0	0	16	34	36	49	64	10	101	23	140	46	180	0	219	14	258	37	295	50	323	11	343	26
1	0	32	17	10		41		41		40	142	5		18		33	259	48		55	323	48	344	1
2	1	4	17	46		36		21	103	48	143	28		36	221	42	261	11	296	29		55	344	36
3	1	36	18	22		24		28	104	16	144	43	183	48	223	11		28	298	3		21	345	11
4	2	8	18	48		14		30		38	146	2	184	12		30	263	44		1	326	7	345	46
5	2	40	19	37	41	4		44	106	42	147	7		30	224	44	264	2		10	326	47	346	21
6	3	12	20	12	41	55	71	43	109	10	148	40	187	48	227	8		18		12		36	346	55
7	3	44	20	50		46	73	2		28	149	59	184	6		21		33		44		20	347	29
8	4	16	21	28		38		12	111	41	151	18		24	229	44	268	49		41	329	3	348	3
9	4	48	22	6		30		22	113	5		33	191	43	231	6	270	4		41	329	45	348	31
10	5	20	22	44		23		32		28	153	59	193	2		27		19		14	330	14	349	11
11	5	52	23	29		11		43	117	43	154	4		20	233	41		38		13	331	12	349	41
12	6	24	24	3		11	78	48	117	2		32		38	237	3	273	44		12	331	48	350	18
13	6	56	24	43		6	80	6		24	157	41	196	46		22	275	2		10	332	23	351	1
14	7	30	24	22	49	11		18	119	41	174	5	188	14	239	41		16		1	333	14	352	28
15	8	3	26	2	49	51		31	121	0		21		33	234	0		29	310	7	333	18	341	41
16	8	36	26	43		43		44		19	161	46	200	41		19		42	310	48		38	342	20
17	9	8	27	27		40	88	48		39	163	4	202	9		39	279	48		48	337	13	343	3
18	9	42	28	6		48	86	12	128	51		22		28	242	48	281	6		49	337	13	337	37
19	10	19	28	48		41		26	126			42	204	56	244	11		11		43		35	342	48
20	10	49	29	30		46		41		1	166	48	206	5		36		28		37	337	13	346	40
21	11	29	30	13		59	89	46	128	37	168	11		23	286	57		38		30	337	47	347	12
22	11	51	30	51		59	91	11	130	48	169	37	208	42	248		13		45		21	338	33	347	44
23	12	32	31	40		46		11		13	160	42	210	1		32	286	48		18	334	10	347	16
24	13	7	32	28		44		42	132	33	162	11		20	270	40	288	1	318	7	319	48	376	48
25	13	39	33	8		40	98	48	134	42		30		39	272	8		16	318	46	340	24	337	24
26	14	14	33	43		43	96	18		11	174	48	213	48		26		24		4	341	2	347	42
27	14	49	34	39	61	41		32	136	30	176	6		11	274	44		32		34	341	38	348	24
28	17	26	34	24	63	1	98	49	138	49	177	28		36	276	2		39			342		348	16
29	15	41	36	12		7	100	0		8	178	42	217	41		10		42			342		349	
30	16	34	36	49	64	10	101	23	140	46	180	0	219	14	258	37	295	50	323	11	343	26	360	0

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	♈ ♉ ♊ ♋ ♌ ♍ ♎ ♏ ♐ ♑ ♒ ♓
0	0 0 16 10 36 13 64 14 100 37 140 23 180 0 219 38 259 23 295 46 323 47 343 [illegible]
1	0 31 16 44 37 0 20 101 47 141 42 19 220 11 41 11 33 344 49
2	1 2 17 20 37 44 26 103 13 143 2 38 222 11 261 49 297 46 19 344 38
3	1 33 17 46 36 33 32 21 183 11 37 263 16 299 0 326 42 345 8
4	2 4 18 33 29 4 105 40 144 41 184 16 228 11 34 3 326 54 346 42
5	2 37 19 7 51 44 107 9 147 0 37 226 11 264 11 6 53 346 16
6	3 0 19 43 41 5 70 56 28 20 187 14 37 261 8 8 19 347 49
7	3 37 20 20 41 56 72 5 109 41 4 189 13 228 11 24 10 329 2 347 22
8	4 9 20 57 41 51 111 6 150 49 32 230 18 40 11 329 48 348 57
9	4 40 21 34 39 29 29 152 19 51 38 210 16 11 28 348 29
10	5 12 22 12 31 36 113 44 38 192 10 232 48 212 11 10 331 10 349 1
11	5 43 22 50 24 76 48 117 3 154 48 194 29 234 18 26 9 331 51 350 33
12	6 11 23 29 18 78 0 23 156 11 197 44 38 40 7 32 350 [illegible]
13	6 41 24 8 12 12 117 42 37 197 1 236 45 247 44 4 333 13 351 37
14	7 19 24 41 7 24 119 2 158 46 26 238 18 277 9 310 1 333 41 351 9
15	7 51 25 26 49 3 31 22 160 11 41 38 23 310 11 38 352 47
16	8 23 26 6 49 59 82 51 121 42 34 201 4 240 18 36 13 334 13 352 13
17	8 55 26 47 56 84 5 123 2 162 53 23 242 18 280 44 44 334 52 353 49
18	9 27 27 28 53 20 22 164 12 203 43 31 282 0 42 31 353 57
19	9 59 28 9 51 34 127 42 31 204 2 244 11 12 36 335 7 354 44
20	10 32 28 50 50 87 49 129 2 166 50 22 246 16 24 29 335 44 354 20
21	11 5 29 32 49 89 4 22 168 9 207 41 37 37 21 26 355 11
22	11 38 30 15 49 20 129 42 28 209 1 248 54 41 13 339 23 355 53
23	12 11 30 58 50 36 131 3 170 41 20 250 13 285 7 316 4 339 44 356 [illegible]
24	12 44 31 41 52 92 52 23 172 6 211 44 32 284 4 318 45 340 47 356 29
25	13 18 32 24 54 94 9 133 43 29 213 0 252 11 12 43 340 13 357 16
26	13 52 33 10 59 57 26 134 31 174 44 17 254 20 20 37 29 357 47
27	14 26 33 56 61 0 96 44 136 23 176 3 39 38 27 24 342 4 357 58
28	15 1 34 41 4 98 3 137 43 22 216 58 296 41 38 12 342 4 358 29
29	15 37 35 27 9 99 19 339 3 178 4 218 18 274 57 4 323 0 345 359 19
30	16 10 36 13 64 14 100 37 140 23 180 0 219 38 259 23 295 46 323 47 343 [illegible] 360 0

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	♈ ♉ ♊ ♋ ♌ ♍ ♎ ♏ ♐ ♑ ♒ ♓
0	0 0 14 50 33 41 61 7 98 4 139 2 180 0 220 58 261 55 298 43 326 19 347 10
1	0 28 15 23 34 26 13 24 24 21 222 25 263 41 299 18 321 4 349 42
2	0 56 15 56 37 12 20 100 46 141 47 182 43 223 42 264 37 301 2 327 43 346 [illegible]
3	1 24 16 29 37 48 21 102 6 143 10 184 4 224 4 264 48 6 328 31 346 [illegible]
4	1 53 17 3 44 37 21 32 26 26 267 14 9 329 44 347 [illegible]
5	2 22 17 37 33 43 104 48 144 48 186 48 221 46 268 33 11 329 56 347 48
6	2 50 18 9 23 67 52 106 9 147 11 188 9 229 11 269 11 12 330 37 348 19
7	3 19 18 43 12 69 1 30 148 39 31 230 38 271 9 13 331 18 348 50
8	3 48 19 18 40 1 11 108 52 150 1 190 52 231 51 26 13 331 48 349 20
9	4 17 19 52 41 51 22 110 13 23 192 40 233 20 273 44 13 332 35 349 51
10	4 46 20 27 41 47 38 37 152 41 36 234 43 257 1 12 333 19 350 21
11	5 15 21 2 32 6 112 17 154 7 194 15 236 6 18 10 333 53 350 [illegible]
12	5 44 21 38 24 74 59 114 19 29 196 19 237 28 34 7 334 31 351 21
13	6 13 22 14 15 76 12 41 156 51 197 41 238 10 278 50 312 3 335 41 351 50
14	6 42 22 51 11 26 116 3 158 13 199 32 240 12 280 5 312 59 335 [illegible]
15	7 11 23 28 6 40 118 26 37 27 34 51 38 51 336 32 352 [illegible]
16	7 40 24 6 41 1 79 51 119 40 160 51 201 47 242 42 51 34 9 337 53 352 [illegible]
17	8 10 24 44 41 51 81 20 121 10 162 19 203 9 244 44 283 4 43 337 40 353 [illegible]
18	8 39 25 23 43 26 32 163 41 31 245 44 284 1 36 338 22 354 [illegible]
19	9 9 26 2 40 42 123 58 164 3 207 13 247 3 4 28 338 19 354 [illegible]
20	9 39 26 41 48 84 59 124 11 28 207 11 24 26 19 339 35 354 [illegible]
21	10 9 27 21 41 86 10 126 40 46 31 248 41 38 319 9 340 8 355 [illegible]
22	10 40 28 2 41 87 34 128 3 168 32 209 42 249 8 4 319 4 340 [illegible]
23	11 10 28 44 48 88 11 26 170 2 211 21 32 290 49 38 341 17 356 [illegible]
24	11 41 29 23 46 90 9 130 49 171 1 212 43 253 41 292 8 49 341 [illegible] 357 [illegible]
25	12 12 30 4 49 21 132 11 173 4 214 6 255 1 11 4 342 [illegible] 357 [illegible]
26	12 43 30 46 51 92 6 34 28 33 24 11 342 [illegible] 358 [illegible]
27	13 14 31 29 54 94 6 134 16 177 16 216 2 257 18 33 328 2 343 31 358 [illegible]
28	13 [illegible] 32 1 58 58 29 136 18 177 11 218 13 259 14 44 328 44 344 4 359 [illegible]
29	14 [illegible] 32 60 2 96 49 137 40 178 39 37 37 47 38 344 31 359 [illegible]
30	14 10 33 61 1 98 4 139 2 180 0 220 58 261 55 298 43 326 19 347 [illegible] 360 0

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0	0 0	14 22	32 48	59 59	97 9	138 38	180 0	221 6	262 11	300 1	327 41	345 38
1	0 27	14 43	30	61 41	30	139 48	181 22	222 4	264 32	6	327 45	346 9
2	0 54	15 41	29	47	11 99	51 141	21 182	44 224	12 264 32	10	328 43	346 40
3	1 22	16 51	37 1		18 101	13 142	44 184	7 224	36 266 42	14	329 27	341 11
4	1 50	16	29 34	41	26 102	34 144	7	29 226	45 268 12	11	330 1	341 42
5	2 15	17 1	34	37	103 56	30 186	42 228	23	32	14	330 48	348 12
6	2 49	17 34	22		44 104	18 186	48 188	14 229	45 270	41	20 331	28 348 42
7	3 13	18 8	38 10	61	48 106	40 188	11	31 231	11 272	10	21 332	8 349 12
8	3 40	18 4	38 49	69	7 108	3 189	40 190	0 232	34	28	21 332	41 349 49
9	4 8	19 41		49	16 109	27 191	3 192	23 233	48 274	26	20 333	27 350 11
10	4 30	19 49		39	28 110	48	26 193	46 234	21 276	3	18 334	6 350 30
11	5 8	20	26	30	40 112	11 193	49 197	8 236	44	20	41 334	44 351 9
12	5 32	21	0	22 73	43 113	34 197	12	31 237	7	36	12 337	22 351 38
13	6 0	21	37	14 77	6 114	51	37 197	43 239	30 279	43	8 337	49 352 6
14	6 28	22	10	7	20 116	20 157	48 199	16 240	43 281	9	4 338	3 352 37
15	6 57	22	26 54	1	37 117	44 159	41 200	39 242	16	24 318	19 337	14 353 3
16	7 27	23	23 54	46 78	41 119	7 160	44 202	2 283	40	40 318	13 337	40 353 32
17	7 54	22	1	42 80	7 120	30 162	7	27 284	3 285	42	46 338	29 354 0
18	8 22	24	38	44 81	24 121	43	29 204	48	26 286	7	38 339	0 354 28
19	9 11	29	16	49 82	40 123	16 164	52 206	11 264	9	20	30 339	36 354 56
20	9 20	29	56	42 83	51 124	39 166	44	32 284	12	32	21 340	11 355 24
21	10 49	26	33	40 84	14 126	2 167	31 208	41	34	44	11 340	49 355 52
22	10 19	27	13	39	32	26 169	0 210	20 271	51 290	17 321	1 341	19 356 20
23	11 48	27	52	39 85	50 128	49	23 211	43 273	20 292	6 321	50 341	52 356 47
24	11 18	28	32	40 89	9 130	13 171	46 213	6 274	49	16	38 342	26 357 11
25	12 48	29	12	41	28 131	36 173	8	30 276	42	24	26 342	59 357 42
26	12 18	29	53	43 91	48 133	1	31 217	53	26	38 322	13 343	31 358 10
27	13 49	30	34	46 93	8 132	24 177	52 217	46 278	41	42 322	49 344	3 358 38
28	13 20	31	18	40	28 134	48 177	16 218	39 280	9	49	8 344	37 359 7
29		41 32	1	49 97	48 137	11 178	38 220	2 261	30 298	47	30 345	7 359 33
30	14 22	32 47	59 59	97 9	138 38	180 0	221 6	262 11	300 1	327 41	345 38	360 0

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0	0 0	12 48	29 42	56 11	94 6	137 0	180 0	223 0	265 48	303 49	330 18	347 13
1	0 28	13 16	30 28	11	95 30	137 31	181 27	224 26	267 11	304 30	330 49	347 44
2	0 48	13 49	31 7	28	96 45	139 45	182 11	224 42	268 40	304	331 39	348 7
3	1 13	14	41 31	40	31 98	18 140	30 184	16 227	19 270	3 307	1 332	19 348 37
4	1 31	14	43 32	38	39 99	42 142	41 184	42 228	41 271	26	4 332	41 349 2
5	2 2	15	12 32	18	44 101	7 143	13 187	8 230	12 272	44	6 333	37 349 29
6	2 26	15	44 34	3 62	48	32 144	40 188	33 231	38 274	9	7 334	51 349 56
7	3 51	16	13 34	49 64	9 103	51 146	6 189	19 233	1 277	29	7 334	52 350 23
8	3 51	16	43 35	36	20 104	22 148	32 191	29 234	32 276	50	6 335	29 350 49
9	4 40	17	14 36	28	32 106	41 149	58 192	51 334	18 278	10	4 336	6 351 16
10	4 47	17	45 37	12	59 108	12 171	28 194	11 237	12 279	30 314	1 336	41 351 42
11	5 30	18	11 38	1 68	19 109	38 172	50 197	42 238	12 280	49 314	17 337	17 352 8
12	5 57	18	48 38	51 70	13 111	4 173	16 197	8 240	18 282	8	12 337	52 352 34
13	6 20	19	10	42 71	28	30 177	42 198	32 281	44 283	26	41 338	26 352 59
14	6 59	19	52	38 72	44 113	56 176	8 200	0 283	11 284	43	49 339	1 353 24
15	7 10	20	27	26 74	0 117	23 178	32 201	26 284	31 286	0	3 339	37 353 50
16	7 37	20	49	19 77	11 116	49 179	0 202	52 286	4	16	26 340	8 354 11
17	7 1	21	38	13 76	30 118	11 161	36 204	18 287	30	32	43 340	42 354 40
18	8 26	22	8	8 77	52 119	42 162	52 204	42 285	46 289	57 321	43 341	12 354 59
19	8 52	22	43 54	3 79	11 121	8 164	18 207	10 290	22 291	1 321	49 341	48 355 7
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21	9 44	23	48	56 81	40 128	2 166	52 210	2 243	13 294	28	36 342	43 356 20
22	10 11	28	31	48 83	10 124	28 168	37 211	28 294	38 294	40	23 343	17 356 43
23	10 37	29	8	73 88	31 126	47 169	1 212	48 276	3 297	47 324	11 343	47 357 9
24	10 40	29	49	73 89	11 128	22 171	21 216	20 271	28	2 324	11 344	49 357 32
25	11 31	26	23	48 87	12 129	48 172	42 214	41 298	13	12	43 345	19 357 58
26	11 47	27	2	16 88	38 131	11 174	18 214	13 260	18	21	36 345	41 358 23
27	12 22	28	42 72	19 89	71 132	9 177	46 218	46 261	42	29 328	10 346	48 358 49
28	12 7	28	21 74	2 91	20 134	8 177	47 220	6 263	6	36 328	43 346	4 359 17
29		20 29	1	6 92	43 134	38 178	37 221	33 264	30	43	346	359 44
30		48 29	42 76	11 94	6 137	0 180	0 223	0 265	48 303	49 330	18 347	360 0

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0	0	0	12	15	28	34	54	46	92	48	136	26	180	0	223	34	267	2	305	15	331	26	347	46
1	0	23	12	49	29	11	[illegible]	49	94	33	137	48	181	26	224	1	268	31		20	332	6	348	17
2	0	46	13	8	29	47	[illegible]	6	95	48	139	22	182	43	226	29	269	41		24	332	45	348	44
3	1	9	13	36	30	39	58	[illegible]	97	13	140	49	184	20	227	46	271	41		28	333	23	349	0
4	1	32	14	4	31	22		23	98	38	142	7	185	49	229	24	272	30		30	334	23	349	32
5	1	46	14	32	32	6			100	4	143	49	187	14	230	42	274	0		31	334	50	349	58
6	2	19	15	1	32	41		33	101	34	145	12	188	56	232	17	275	22		31	335	15	350	24
7	2	53	15	30	33	36		44	102	46	146	39	190	7	233	49	276	44		30	335	55	350	50
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11	4	11	17	29		43		36	108	42	172	29	197	55	239	39	282	7		21	338	13	352	30
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13	5	7	18	31		22	70	6	111	16	174	23	198	49	242	34	288	41		10	339	20	353	19
14	5	29	19	2		13		22	113	4	176	50	200	16	244	1	286	3	319	3	339	53	353	43
15	5	53	19	34	40	5		39	114	32	178	11	201	43	287	28		21	319	55	340	25	354	1
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17	6	41	20	40		50	74	51	117	26	161	11	204	37	288	24	284	48		38	341	29	354	57
18	7	5	21	13		44	76	38	118	48	162	38	206	4	289	51	291	9		25	342	0	355	10
19	7	30	21	41		38	77	53	120	21	168	57	201	31	291	18		24		11	342	31	355	43
20	7	55	22	31		36	79	13	121	49	164	32	208	49	292	42		41		38	342	57	356	1
21	8	20	22	46		33	80	38	123	11	166	49	210	26	294	12	294	11	324	22	343	31	356	30
22	8	44	23	31		31	81	55	124	49	168	26	211	53	297	38	296	4	327	38	344	1	356	44
23	9	10	24	7		30	83	16	126	13	169	53	213	21	291	4		16	326	28	344	30	357	11
24	9	36	24	43		29	84	38	127	41	171	20	214	25	298	30		21	321	9	344	54	357	19
25	10	2	25	20		29	86	0	129	8	172	48	216	10	298	16		31	321	59	345	28	357	48
26	10	28	25	57		30	87	22	130	36	174	13	211	43	261	22		4		36	345	51	357	58
27	10	59	26	35		32	88	49	132	4	175	40	219	11	262	41	301	44		21	346	23	357	11
28	11	20	27	11		37	90	9	133	31	177	7	220	38	268	12	303		1	330	3	346	53	359	4
29	11	49	27	58		49	91	33	134	59	178	34	222	6	264	31			8	330	49	347	19	359	31
30	12	15	28	34	54	46	92	48	136	26	180	0	223	34	267	2	305	15	331	26	347	46	360	0

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0	0	0	11	38	27	22	53	14	91	46	134	10	180	0	224	10	268	14	306	46	332	38	348	22
1	0	22	12	4	28	2		34	93	12	137	19	181	38	227	38	269	40		41	333	11	348	48
2	0	44	12	30	29	43		28	94	38	138	43	182	46	227	7	271	7		47	333	47	349	12
3	1	6	12	46	29	24		36	96	4	140	11	184	24	228	36	272	30	309	48	334	33	349	35
4	1	28	13	23	30	6		44	97	31	141	4	184	42	230	9	273	42	311	0	335	10	349	3
5	1	50	13	40	30	49	58	13	98	48	143	14	187	20	231	34	274	17		1	335	46	350	28
6	2	12	14	18	31	32	60	3	100	24	144	43	180	48	233	3	276	40		2	336	22	350	12
7	2	34	14	46	32	16		14	101	42	146	12	190	16	234	32	278	3		2	336	57	351	10
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10	3	42	16	11	34	33	64	13	106	51	170	38	194	50	238	59	282	9		53	338	39	352	28
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12	4	27	17	9	36	8		23	109	11	173	37	197	36	281	51	288	40		42	339	48	373	10
13	4	49	17	38	36	51		39	110	4	174	3	199	4	283	26	286	10		30	340	11	373	39
14	5	12	18	8		44	69	10	112	8	176	31	200	32	284	51	287	29		29	341	49	374	2
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16	5	58	19	11		31		31	114	51	179	28	203	29	281	52	290	4		12	341	52	374	44
17	6	21	19	43		24	73	40	116	34	160	46	204	57	289	20		21	323	3	342	22	377	11
18	6	44	20	41		14	74	10	118	3	162	28	206	29	270	49		37	323	53	342	11	377	33
19	7	8	20	48		12	76	30	119	32	163	52	207	53	272	11	293	52		40	343	20	377	16
20	7	32	21	21		1	77	51	121	1	164	20	209	22	273	49	294	7		21	343	49	376	18
21	7	56	21	48		3	79	13	122	30	166	44	210	50	244	13		4	326	13	344	13	376	49
22	8	20	22	28	44	0	80	37	123	49	168	6	212	19	246	41		38	326	49	344	40	377	13
23	8	44	23	3	44	58	81	51	124	28	169	44	213	48	248	8		6		44	344	13	377	26
24	9	8	23	38	46	48	83	20	126	51	171	12	217	51	249	37	299	51		28	344	42	377	88
25	9	32	24	14	47	59	84	43	128	26	172	40	216	40	261	2	301	7	329	11	346	10	378	10
26	9	58	24	50	49	0	86	6	129	47	174	8	218	18	262	29		10	329	49	346	31	378	32
27	10	22	20	21		3	87	30	131	2	177	36	219	43	263	56		28	330	30	347	4	378	42
28	10	41	26	7		7	88	57	132	53	177	4	221	12	264	22		32	331	11	347	30	379	16
29	11	10	26	43		9	90	20	132	22	178	32	222	41	266	8		39	331	43	348	40	379	18
30	11	38	27	22	53	14	91	46	134	10	180	0	222	10	268	14	306	46	332	38	348	22	360	0

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0	0	0 11	1 26	6 41	31 90	30 137	13 180	0 224	41 269	30 308	23 333	28 348
1	0	20 11	27 26	44	42 91	51 136	43 181	29 225	11 270 51		28 334	32 349 27
2	0	41 11	50 27	23	49 93	28 138	13 182	58 227	4 271 23		32 334	9 349
3	0	20 12	51 28	3 47	51 94	52 139	43 184	21 229	273 49		55 334	4 350 11
4	1	23 12	40 28	44 56	6 96	20 141	13 185	56 230	4 275 51		31 336	21 350 37
5	1	44 13	6 29	26	16 97	48 142	43 187	26 232	13 276 40		38 336	16 350 59
6	1	5 26 13	32 30	8	21 99	16 144	13 188	55 233	54 278 5		31 337	31 351 22
7	2	47 13	59 30	51	39 100	44 145	43 190	28 235	18 279 29		36 338	7 351 45
8	2	8 14	26 31	37 60	12 102	13 147	13 191	53 236	42 280 42		38 338	18 352 8
9	2	30 14	53 32	20 62	7 103	42 148	43 193	22 238	20 282 14		31 339	11 352 31
10	3	51 14	20 33	6 63	19 105	11 150	13 194	52 239	50 283 36		2 339	43 352 53
11	3	12 15	48 33	53 65	38 106	40 151	43 196	21 241	20 284 58		22 340	51 353 51
12	3	38 16	16 34	41 67	50 108	10 153	13 197	50 242	50 286 19		16 340	43 353 31
13	4	55 16	44 35	29 69	7 109	40 154	42 199	34 244	20 287 39		9 341	11 353 59
14	4	17 17	13 36	18 68	28 111	10 156	12 200	43 245	50 288 49	322	1 341	48 354 24
15	4	39 17	42 37	8 69	42 112	40 157	41 201	19 247	20 290	18 322	53 341	48 354 43
16	5	1 18	12 37	59 71	1 114	10 159	11 203	48 245	48 50 291	35	43 342	43 355 5
17	5	23 18	43	51 72	21 115	40 160	40 204	18 250	20 292 43		31 343	16 355 43
18	6	45 19	14	44 73	31 117	10 162	40 206	45 252	70 292	14	19 343	45 355 48
19	6	7 19	45	38 75	2 118	40 163	39 208	11 253	20	20 326	1 344	12 356 9
20	6	29 20	17	33 76	28 120	10 165	8 209	41 255	49	9 326	47 344	43 356 30
21	7	52 20	49	29 77	46 121	40 166	38 211	11 256	18 295	27	40 345	7 356 52
22	7	15 21	22	26 79	8 123	11 168	7 212	41 258	41 299	8	29 345	51 357 13
23	7	38 21	55	28 80	31 125	42 169	38 214	11 259	16	21 329	9 346	1 357 34
24	8	1 22	29	3 81	51 126	12 171	7 215	41 261	44	33 329	53 346	53 357 51
25	8	24 23	4	22 83	20 127	42 172	38 217	11 262	12	44 330	38 346	51 358 16
26	9	48 23	39	23 84	41 129	13 174	8 218	41 264	54 303	46 331	16 347	12 358 37
27	9	13 24	51	27 86	11 130	43 175	33 220	11 265	8 305	3 331	53 347	45 358 58
28	9	37 24	51	28 87	37 132	13 177	2 221	41 267	36	11 332	33 348	10 359 19
29	10	2 25	28	32 89	3 133	43 178	31 223	11 268	3	16 333	16 348	8 359 46
30	10 11	1 26	6 41	31 90	10 137	13 180	0 224	41 271	30 308	23 333	53 348	18 360 0

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0	0	0 10	21 24	44 54	52 89	8 134	33 180	0 225	21 270	52 310	8 335	16 349 59
1	0	19 10	44 25	21 50	48 90	31 136	5 181	30 226	58 272 20		12 335	53 350 2
2	0	39 11	1 25	49 52	5 92	6 137	36 183	0 228	30 273	41	16 336	2 350 27
3	0	58 11	31 26	38	13 93	39 139	8 184	31 230	1 275	4	19 337	4 350 51
4	1	18 11	55 27	18	22 95	4 140	39 186	1 231	33 276	41	21 337	38 351 10
5	1	38 12	19 27	55	32 96	33 142	10 187	32 233	5 278	7	22 338	11 351 32
6	1	57 12	44 28	40	43 98	3 143	42 189	2 234	36 279	33	22 338	44 351 54
7	2	11 13	5 29	22 57	57 99	33 145	13 190	33 236	8 280	48	21 339	16 352 41
8	2	37 13	38 30	5 59	8 101	3 146	49 192	3 237	40 282	23	18 339	48 352 57
9	2	57 14	50 30	48	22 102	33 148	6 193	34 239	12 283	41	14 340	20 352 48
10	3	17 14	20 31	32	31 104	3 149	41 195	5 240	44 284	10	9 340	51 353 19
11	3	37 14	52 32	11 62	53 105	38 151	18 196	37 242	16 286	33 321	3 341	21 353 40
12	3	57 15	19 33	3 64	9 107	5 152	49 198	6 243	48 287	53 321	56 341	51 354 1
13	4	11 15	40 33	50 65	26 108	10 154	20 199	31 245	19 289	16	48 342	21 354 22
14	4	31 16	13	34 66	44 110	7 155	51 201	4 246	50 290	31	40 342	50 354 43
15	4	51 16	41	20 68	3 111	39 157	21 202	39 248	21 291	51	31 343	19 355 3
16	5	11 17	10	20 69	23 113	10 158	52 204	52 249	53 293	16	21 343	48 355 23
17	5	38 17	39	12 70	44 114	41 160	23 205	40 271	22 294	38 326	10 344	15 355 43
18	5	59 18	38	4 72	5 116	12 161	52 207	11 272	52 295	51 326	51 344	44 356 3
19	6	21 18	38	51 73	21 117	44 163	21 208	42 274	26 297	7	43 345	8 356 23
20	6	41 19	49	51 74	50 119	16 164	51 210	13 275	41 298	23	28 345	31 356 43
21	7	2 19	40	46 76	13 120	48 166	20 211	44 277	21 299	38 329	12 346	0 357 3
22	7	23 20	12	42 77	31 122	20 167	51 213	41 278	51 300	12 329	51 346	26 357 23
23	7	44 20	44	39 79	2 123	52 169	21 214	41 260	2 302	5	38 347	11 357 43
24	8	6 21	16	38 80	21 127	28 170	58 216	18 261	51	11	21 347	16 358 3
25	8	28 21	49	38 81	53 126	57 172	28 217	50 263	21	28 332	1 348	15 358 22
26	8	50 22	22	39 83	19 128	21 173	59 219	21 265	46	38 332	43 348	57 358 46
27	9	13 22	56	41 84	26 129	59 175	27 220	52 266	27	51 333	22 348	20 359 2
28	9	35 23	31	44 86	13 131	34 177	0 222	24 267	48	53 334	1 348	13 359 2
29	9	58 24	1	48 87	41 133	2 178	30 223	27 269	23	3 334	3 349	16 359
30	10	21 24	44 54	52 89	8 134	33 180	0 225	21 270	52 310	8 335	3 349	360 0

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0	0 0	9 39	23 11	47 51	88 41	133 51	180 0	226 0	272 15	312 2	336 43	350 21
1	0 18	10 0	23 43	49 7	89 11	134 28	181 21	227 42	273 44	313	337 15	350 43
2	0 36	10 22	24 30		90 41	136 41	183 30	229 17	274 11	314	337 42	351 4
3	0 54	10 44	24 1	20	92 11	138 30	184 37	230 15	276 46	12	338 26	351 27
4	1 12	11 6	24 49	29	93 42	140 3	186 1	232 2	278 14		338 53	351 46
5	1 31	11 29	26 44	30	97 13	141 37	187 34	233 44	279 42		339 31	352 1
6	1 49	11 47	27 4	40	96 44	143 8	189 11	234 59	281 9		340 3	352 31
7	2 1	12 16	27 45	16 2	98 51	144 49	190 43	237 22	282 37		340 3	352 49
8	2 26	12 42	28 21		99 49	146 4	192 51	238 31	284 1		341 9	353 1
9	2 44	13 4	28		101 17	147 41	193 41	240 5	287 36		341 7	353 21
10	3 3	13 29	29 5	79	102 51	149 19	197 19	241 41	286 54	322 0	342 3	353 49
11	3 21	13 48	29 42	61 3	104 33	150 12	196 51	243 14	288 4	322 53	342 32	354 1
12	3 40	14 19	30 36	20	107 56	152 28	198 23	244 51	289 31		343 0	354 26
13	3 59	14 47	31 21		105 28	153 57	199 57	246 52	291 1		343 36	354 47
14	4 18	15 11	32	64	109 2	157 29	201 2	248 13	292 22		343 21	355 4
15	4 31	15 31		66 11	110 37	157 1	202 59	248 52	293 43		344 11	355 23
16	4 56	16	4	67 33	112 38	158 1	204 33	249 31	294 53	327 6	344 54	355 52
17	5 15	16	32	69 28	113 0	160 4	206 3	252 31	296 22	327 33	345 14	356 1
18	5 33	17	0	70 51	115 23	161 30	207 36	254 4	297 42	328 34	345 49	356 21
19	5 53	17 28		71 25	116 4	163 9	209 8	255 15	298 47	329 28	346 6	356 39
20	6 13	17 51	38 0	73 10	118 19	164 21	210 41	257 9	300 19	330 8	346 13	356 51
21	6 33	18 26	38 55	74 32	119 42	166 13	212 13	258 4	301 30		346 56	357 10
22	6 53	18 50	39	75 49	121 24	167 24	213 42	260 13	302 15	331	347 23	357 34
23	7 13	19 26		77 24	122 28	169 11	217 19	261 4	303 57	332 5	347 4	357 53
24	7 33	19 51		78 51	124 31	170 4	216 42	263 16	305 10	332 6	348 8	358 11
25	7 53	20 29		80 18	126 5	172 2	218 24	265 4		333 36	348 31	358 29
26	8 14	21 1		81 4	127 39	173 43	219 57	266 18		333 41	348 54	358 49
27	8 37	21 24		83 14	128 14	175 22	221 30	268 4		334 43	349 16	359 8
28	8 56	22 8		85 43	129 44	176 57	223 3	269 19		335 55	349 38	359 28
29	9 11	22 54		86 12	132 18	178 24	224 36	270 42	310 55	336 7	349 0	359 42
30	9 39	23 11	47 51	88 41	133 51	180 0	226 0	272 15	312 2	336 43	350 21	360 0

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0	0 0	8 58	21 43	45 58	86 1	133 6	180 0	226 5	273 53	314 6	338 11	351 6
1	0 15	9 44	22 11	47 0	87 38	134 41	181 33	228 28	274 28		338 51	351 26
2	0 33	9 38	22 52		89 10	136 11	183 6	230 30	275 44		339 28	351 44
3	0 50	9 55	23 28		90 42	137 50	184 39	231 31	278 24		339 46	352 6
4	1 7	10 16	24 7		92 14	139 20	186 12	233 12	279 44		340 21	352 27
5	1 28	10 31	24 43		93 36	140 48	187 26	234 44	281 23		340 11	352 44
6	1 40	10 59	27	72 58	94 20	142 33	189 9	236 22	282 51		341 21	353 3
7	1 55	11 21	26 0	74 1	96 53	144 7	190 53	237 51	284 19		342 19	353 22
8	2 14	11 43	26 4		98 26	145 41	192 26	239 32	287 56		342	353 40
9	2 31	12	27 21		99 59	147 11	194 0	241 7	287 13	323 53	342 59	353 59
10	2 48	12 28	28 3	78 41	101 33	148 49	197 38	244 42	288	323 59	343 21	354 11
11	3 52	12 41	28 6	59 4	103 7	150 29	197 7	244 11	290 4		343 55	354 13
12	3 2	13 41	29 34	60 22	104 42	151 51	198 4	245 1	291 29		344 41	354 43
13	3 40	13 39	30 51	61 41	106 16	173 31	200 14	244 26	292 1		344 59	355 18
14	3 51	14 3	31 1	63 1	108 51	154 11	201 4	249 0	294 16		345 13	355 28
15	4 51	14 28	31 48	64 22	109 26	156 39	203 32	249 38	297 38	328 12	345 7	355 47
16	4 32	14 53		65 36	111 44	157 13	204 2	297 9	298 54	328	346 5	356 6
17	4 50	15 19		67 24	112 1	159 38	206 26	297 43	298 19		346 5	356 20
18	5 7	15 47		68 16	114 31	161 0	208 3	277	299 38	331 11	347 9	356 [illegible]
19	5 27	16 12		69 8	114 56	162 43	209 51	276 13	300 56	331 1	347 12	357 [illegible]
20	5 43	16 39	36	71 1	110 21	164 18	211 11	278 27	302 13	331 13	347 57	357 [illegible]
21	6 1	17	1 36	72 55	108 41	166 0	212 4	260 1		29	348 11	357 [illegible]
22	6 20	17 37		74 50	120 28	167 28	218 19	261 38		44	348 20	357 8
23	6 38	18 4		75 45	122 3	169 7	217 53	263 7	304 7	334 0	348 19	357 8
24	6 51	18 33		77 43	123 38	170 40	219 21	265 4	305 7	334 39	349 11	357 8
25	7 16	19 3		78 22	124 31	172 14	219 20	266 13		335 24	349 23	357 8
26	7 37	19 33		80 42	126 6	173 44	220 36	267 46		335 37	349 [illegible]	358 [illegible]
27	7 52	20 4		81 43	128 36	174 23	222 10	269 15		336 57	340 7	359 [illegible]
28	8 14	20 36		83 49	129 6	176 41	223 42	270 10	311 53	337 4	340 36	359 [illegible]
29	8 32	21 0		84 49	131 36	178 32	227 1	272 22	313 0	337 4	341 41	359 [illegible]
30	8	21	45 54	86 1	133 6	180 0	226 5	273 43	314 6	338 11	341 0	360 0

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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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